Serviceanleitung.

Service Manual. Manuel de Service. Manuale di Servizio.
Instrucciones de servicio. Service-instructies.

L 3010

230-90422.994

Mimo 15 63402

Mimo 15
Art.-N° 63402.x23
Art.-N° 63402.x60

Mimo 20
Art.-N° 63406.x23
Art.-N° 63406.x60

Spheros 20
Art.-N° 63401.x23
Art.-N° 63401.x60

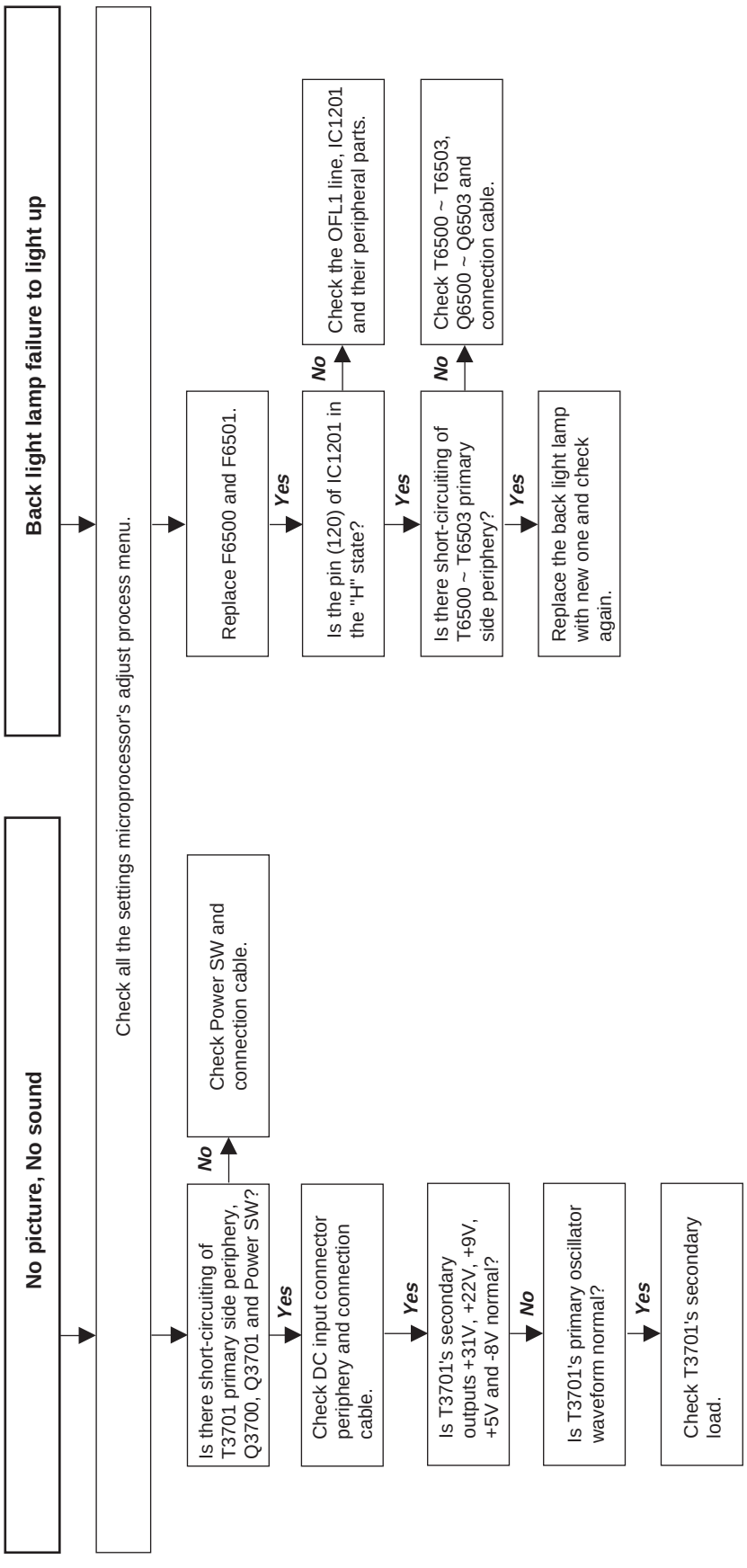
Xelos 20
Art.-N° 63448.x23
Art.-N° 63448.x60
Art.-N° 63448.x70

Spheros 20 63401

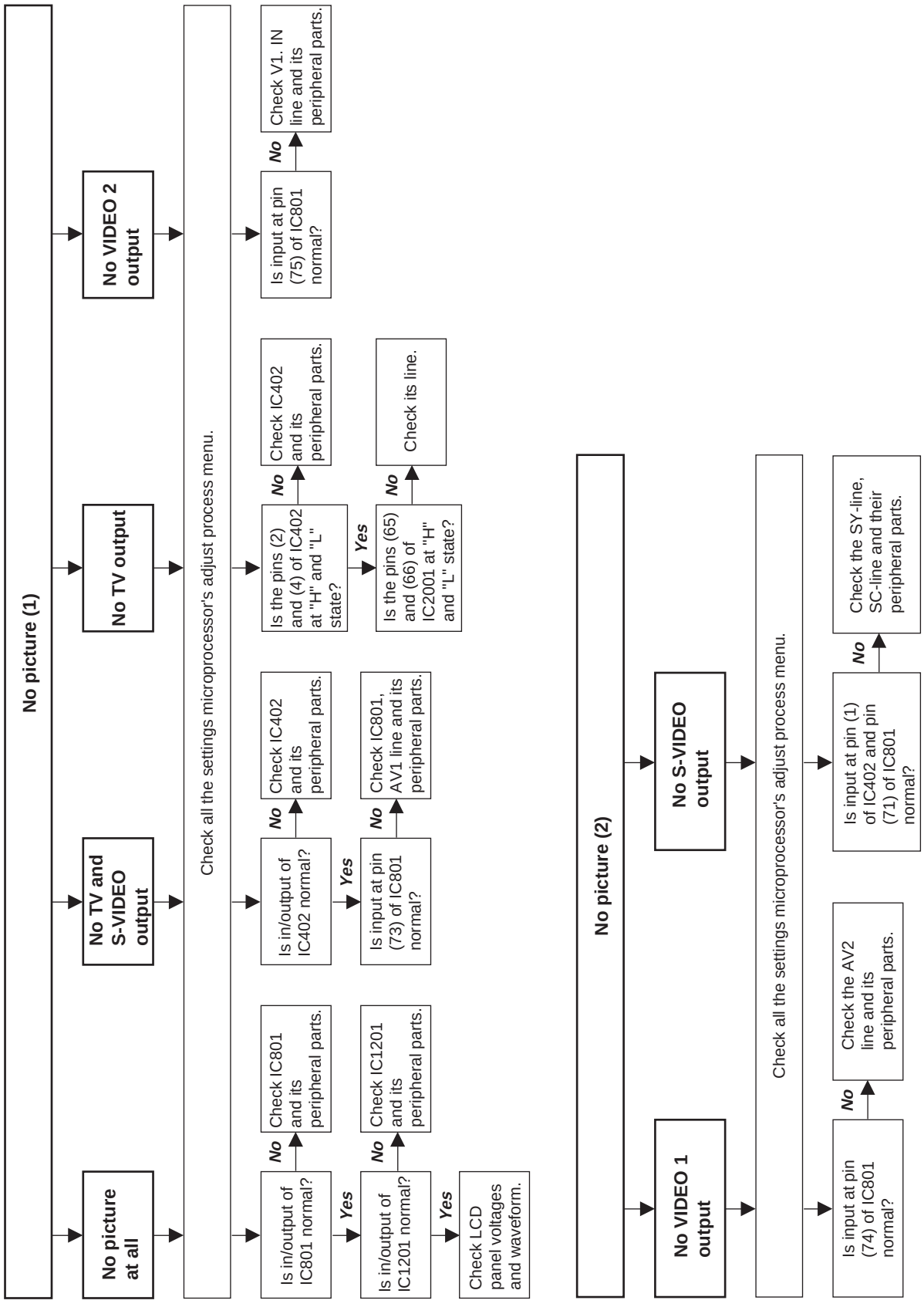
Xelos 20 63448

LOEWE.

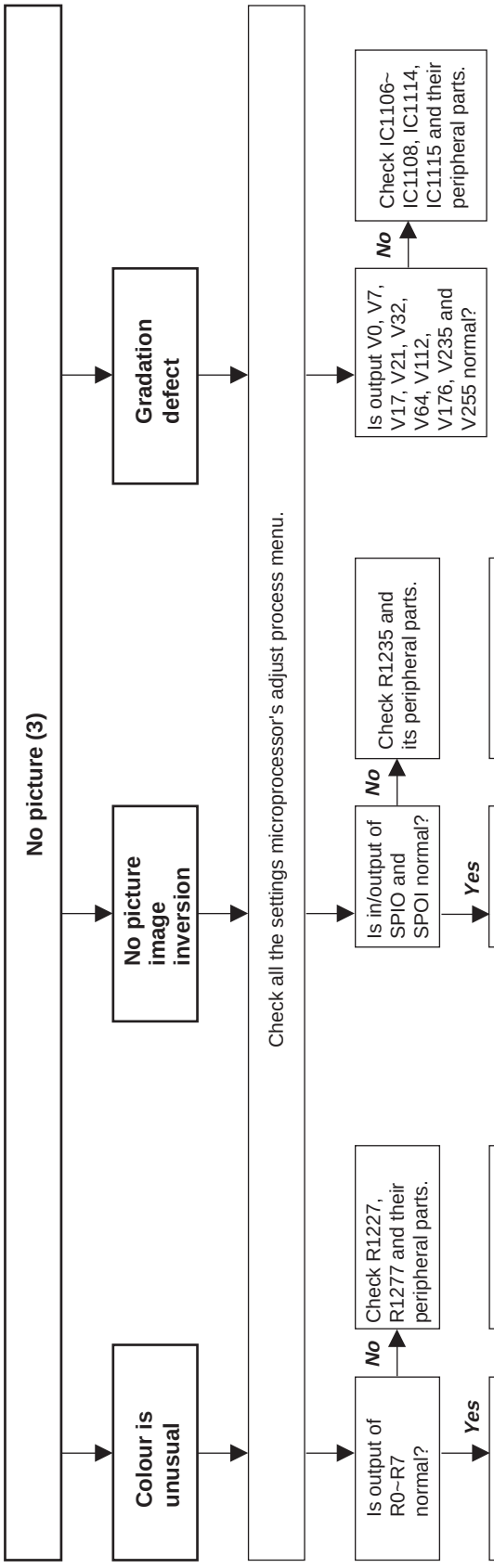
TROUBLE SHOOTING TABLE


No picture, No sound
Back light lamp failure to light up
Check all the settings microprocessor's adjust process menu.
Is there short-circuiting of T3701 primary side periphery, Q3700, Q3701 and Power SW?
No
Check Power SW and connection cable.
Yes
Check DC input connector periphery and connection cable.
Yes
Is T3701's secondary outputs +31V, +22V, +9V, +5V and -8V normal?
No
Is T3701's primary oscillator waveform normal?
Yes
Check T3701's secondary load.
Replace F6500 and F6501.
Yes
Is the pin (120) of IC1201 in the "H" state?
No
Check the OFL1 line, IC1201 and their peripheral parts.
Yes
Is there short-circuiting of T6500 ~ T6503 primary side periphery?
No
Check T6500 ~ T6503, Q6500 ~ Q6503 and connection cable.
Yes
Replace the back light lamp with new one and check again.

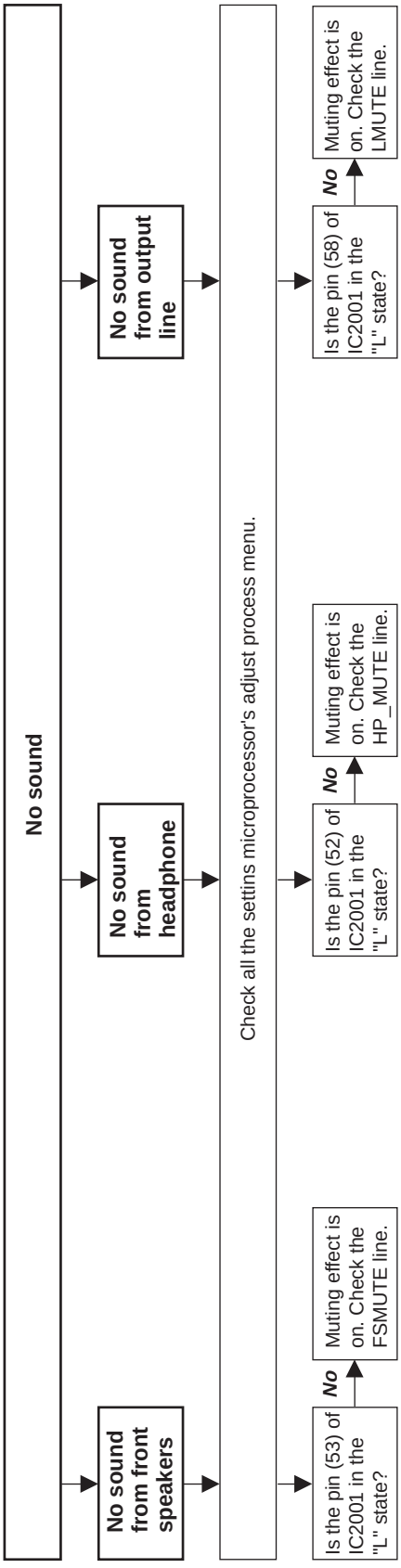
TROUBLE SHOOTING TABLE (Continued)


No picture (1)
No picture at all
No TV and S-VIDEO output
No TV output
No VIDEO 2 output
Check all the settings microprocessor's adjust process menu.
Is in/output of IC801 normal?
No
Check IC801 and its peripheral parts.
Yes
Is in/output of IC1201 normal?
No
Check IC1201 and its peripheral parts.
Yes
Check LCD panel voltages and waveform.
Is in/output of IC402 normal?
No
Check IC402 and its peripheral parts.
Yes
Is input at pin (73) of IC801 normal?
No
Check IC801, AV1 line and its peripheral parts.
Is the pins (2) and (4) of IC402 at "H" and "L" state?
No
Check IC402 and its peripheral parts.
Yes
Is the pins (65) and (66) of IC2001 at "H" and "L" state?
No
Check its line.
Is input at pin (75) of IC801 normal?
No
Check V1. IN line and its peripheral parts.
No picture (2)
No VIDEO 1 output
No S-VIDEO output
Check all the settings microprocessor's adjust process menu.
Is input at pin (74) of IC801 normal?
No
Check the AV2 line and its peripheral parts.
Is input at pin (1) of IC402 and pin (71) of IC801 normal?
No
Check the SY-line, SC-line and their peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

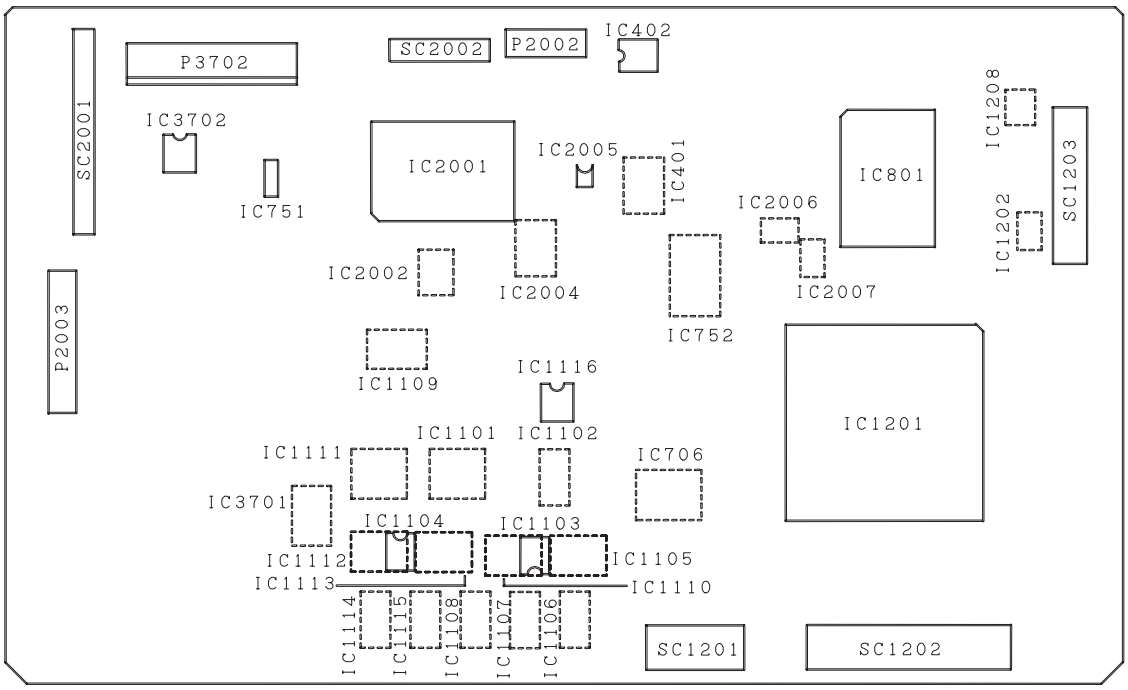

No picture (3)
Colour is unusual
No picture image inversion
Gradation defect
Check all the settings microprocessor's adjust process menu.
Is output of R0~R7 normal?
No
Check R1227, R1277 and their peripheral parts.
Yes
Is output of G0~G7 normal?
Yes
Is output of B0~B7 normal?
No
Check R1232, R1279 and their peripheral parts.
No
Check R1228, R1278 and their peripheral parts.
Is in/output of SPIO and SPOI normal?
No
Check R1235 and its peripheral parts.
Yes
Is output of U/D normal?
No
Check IC1202, Q1204 and their peripheral parts.
Is output V0, V7, V17, V21, V32, V64, V112, V176, V235 and V255 normal?
No
Check IC1106~ IC1108, IC1114, IC1115 and their peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

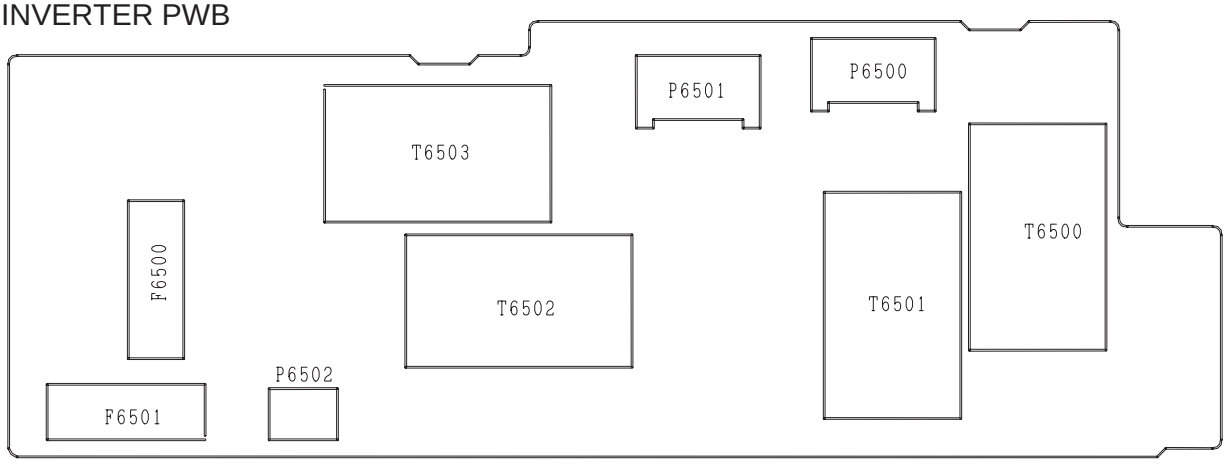

No sound
No sound from front speakers
No sound from headphone
No sound from output line
Check all the settins microprocessor's adjust process menu.
Is the pin (53) of IC2001 in the "L" state?
No
Muting effect is on. Check the FSMUTE line.
Is the pin (52) of IC2001 in the "L" state?
No
Muting effect is on. Check the HP_MUTE line.
Is the pin (58) of IC2001 in the "L" state?
No
Muting effect is on. Check the LMUTE line.

CHASSIS LAYOUT

MAIN PWB

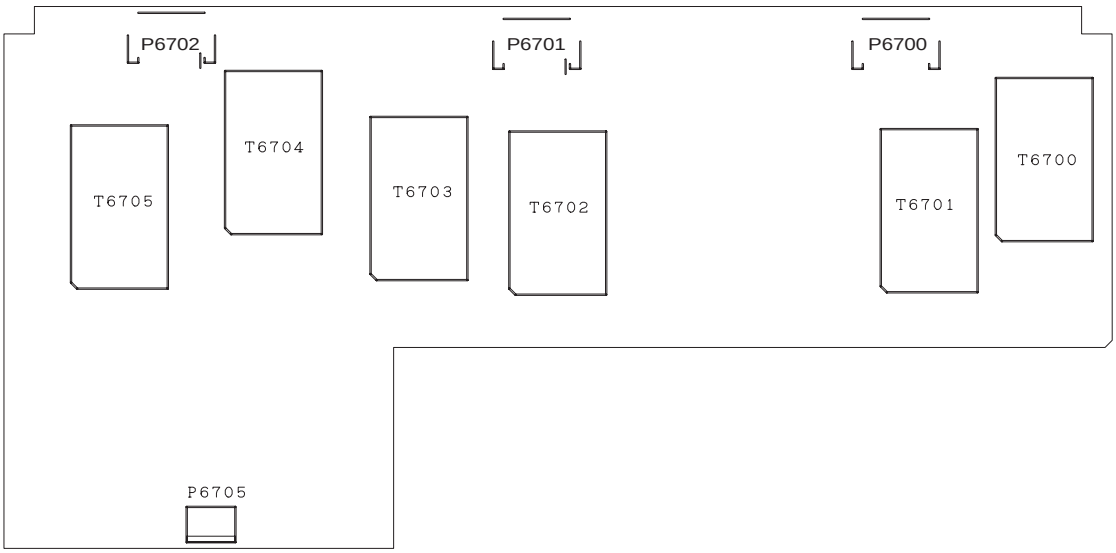


INVERTER PWB

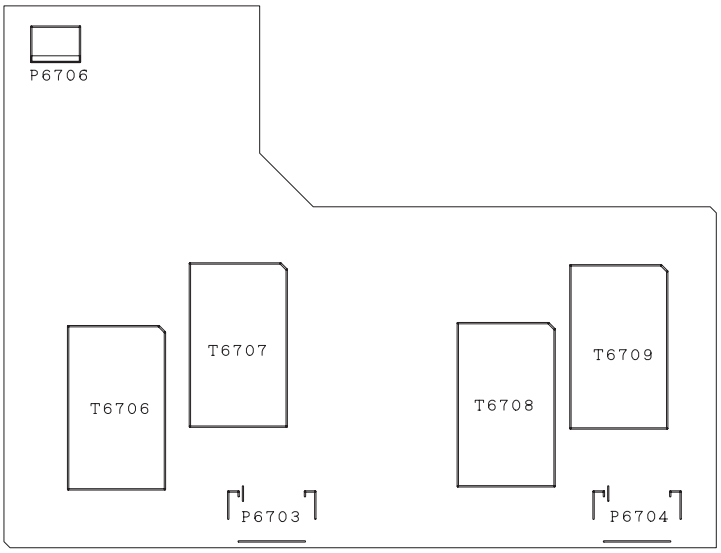


CHASSIS LAYOUT

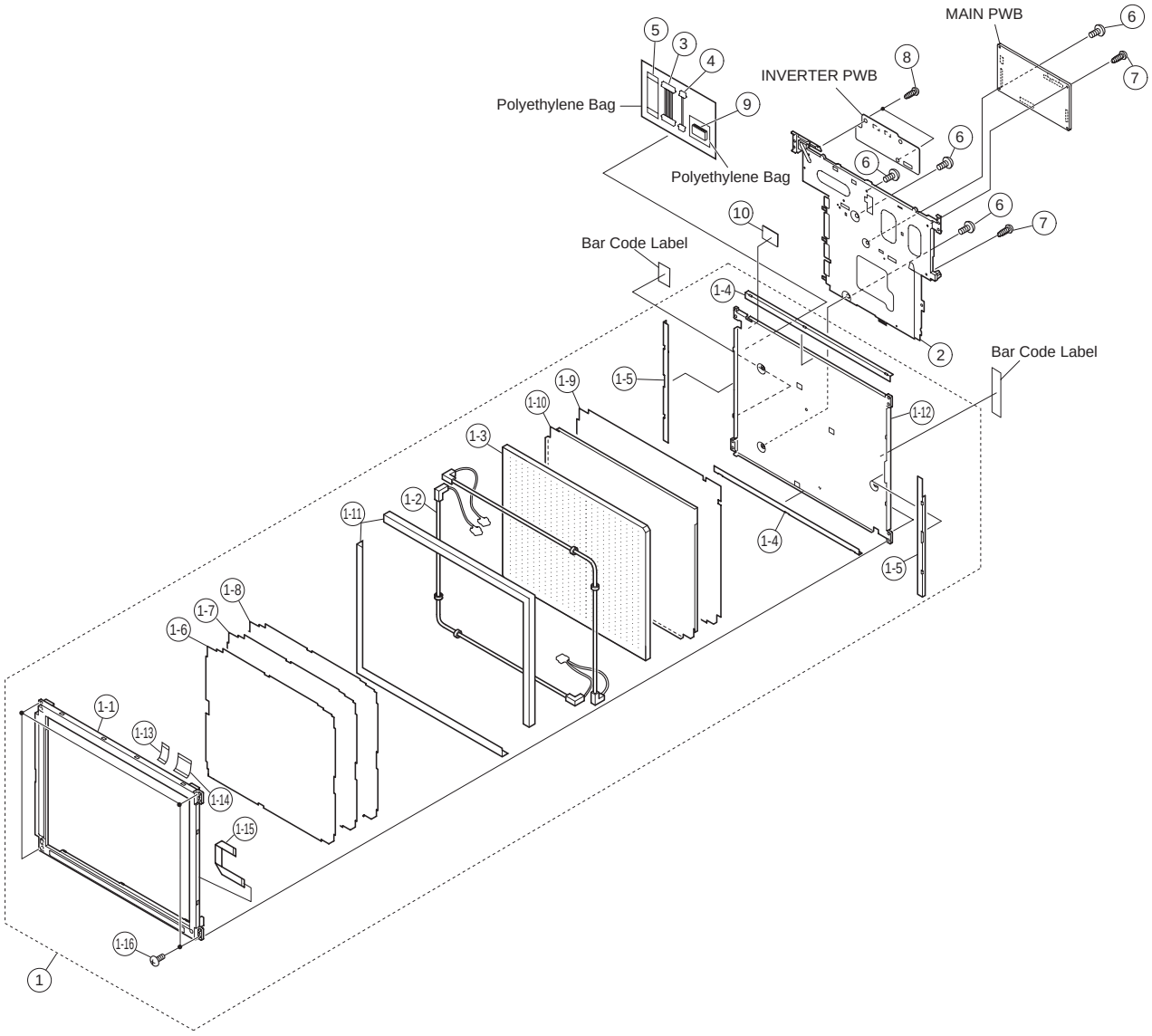
INVERTER-A PWB



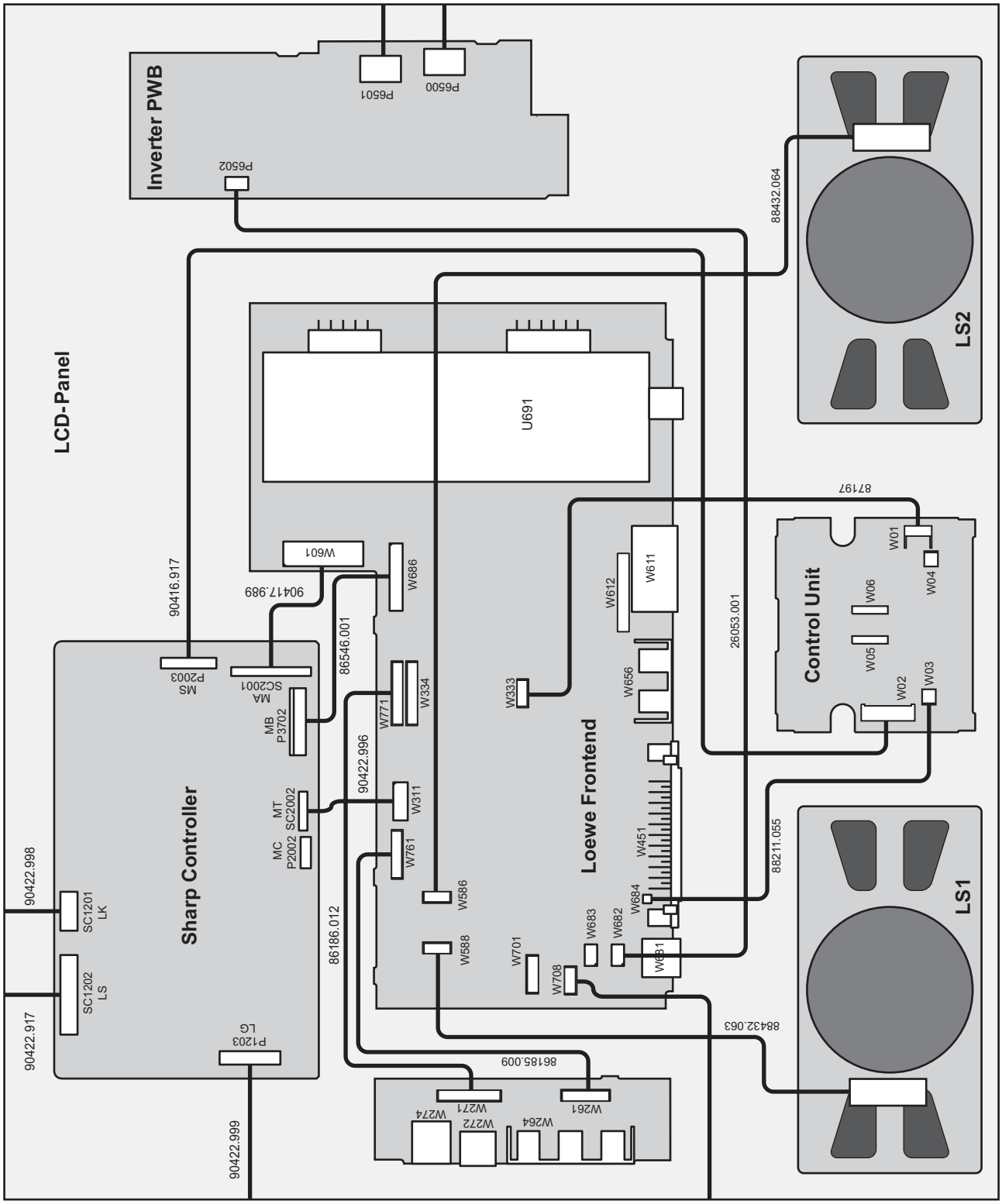
INVERTER-B PWB



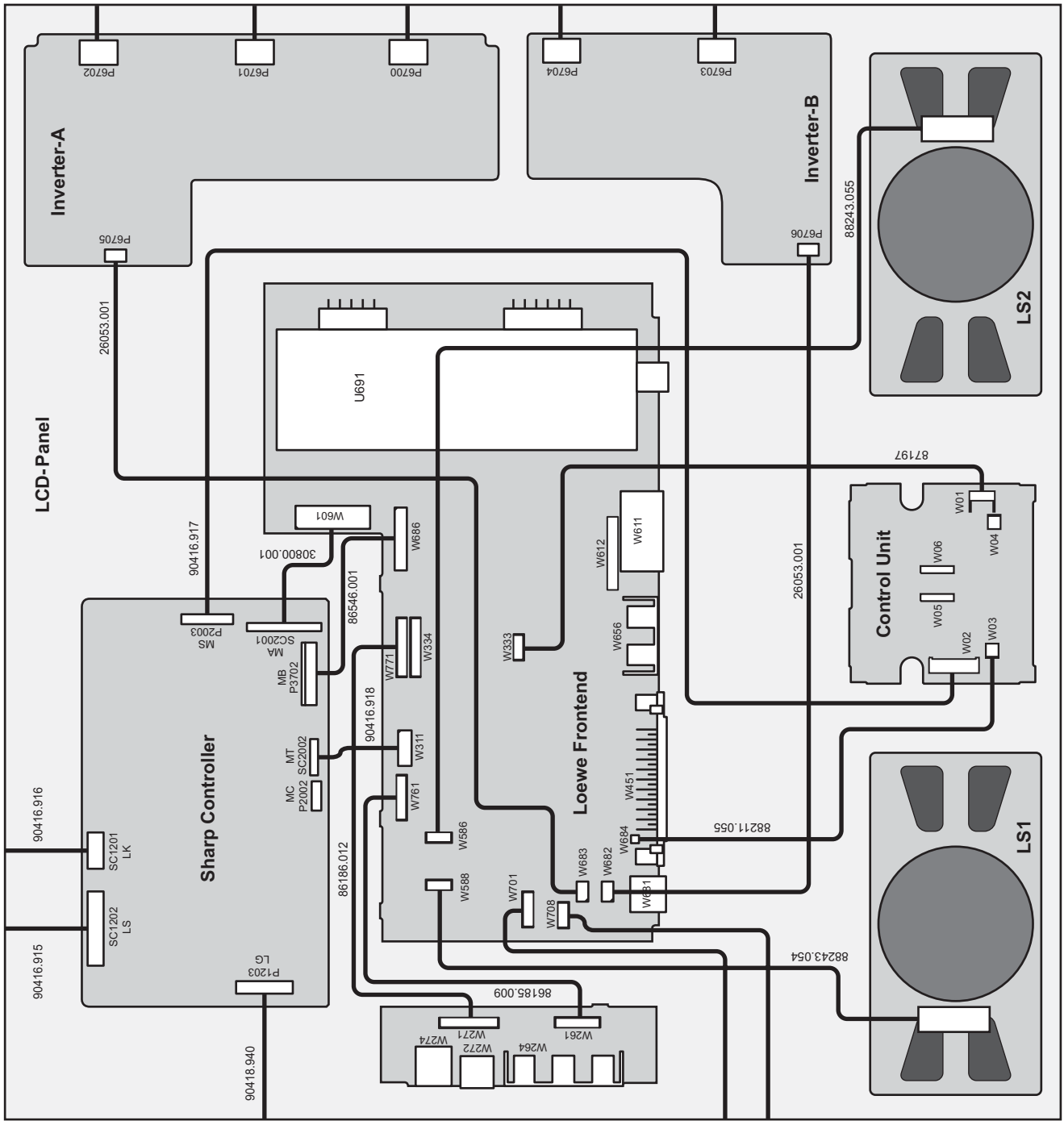
CABINET AND MECHANICAL PARTS



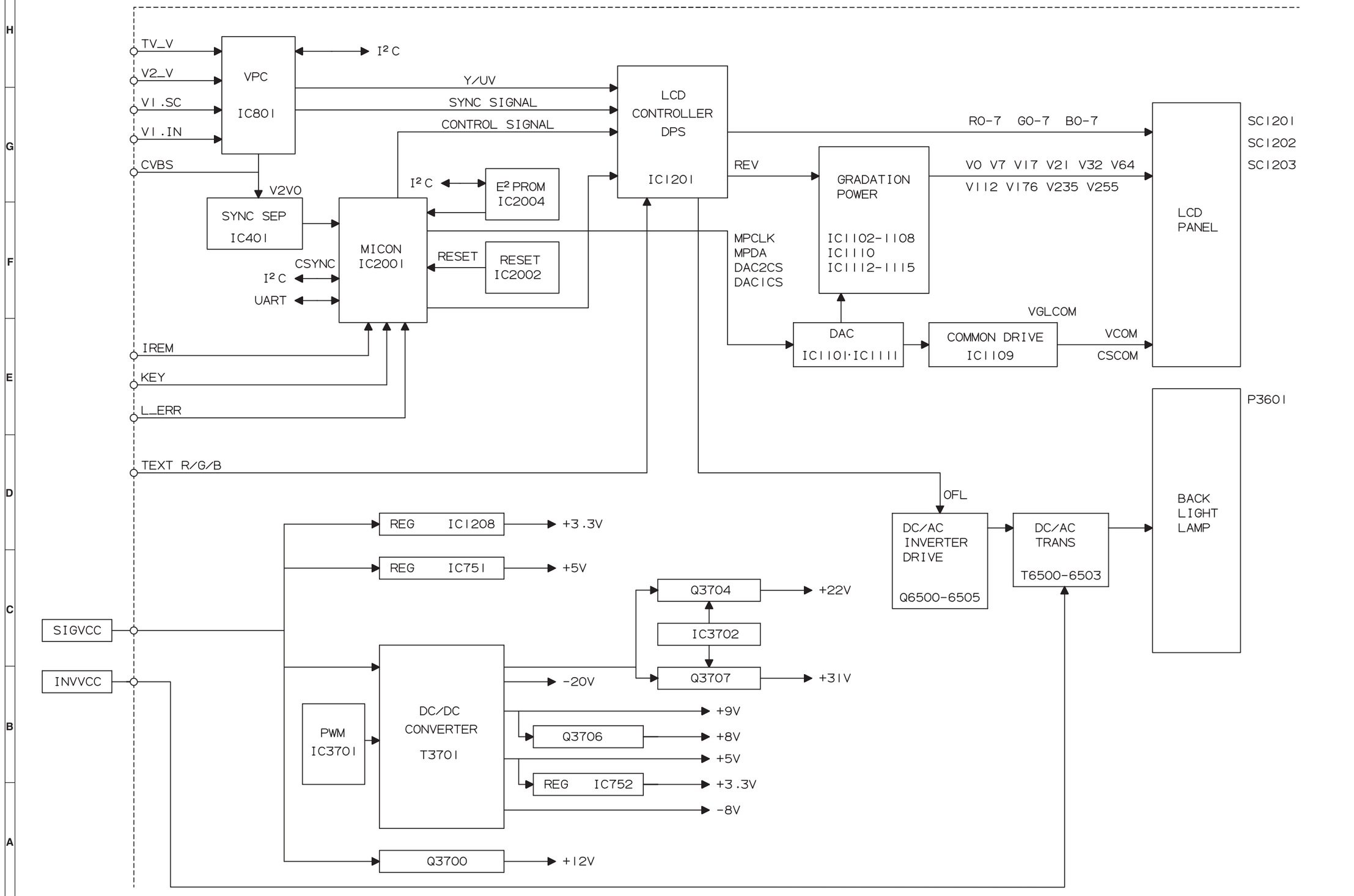
Connection and Cables 15" Kit Spezification



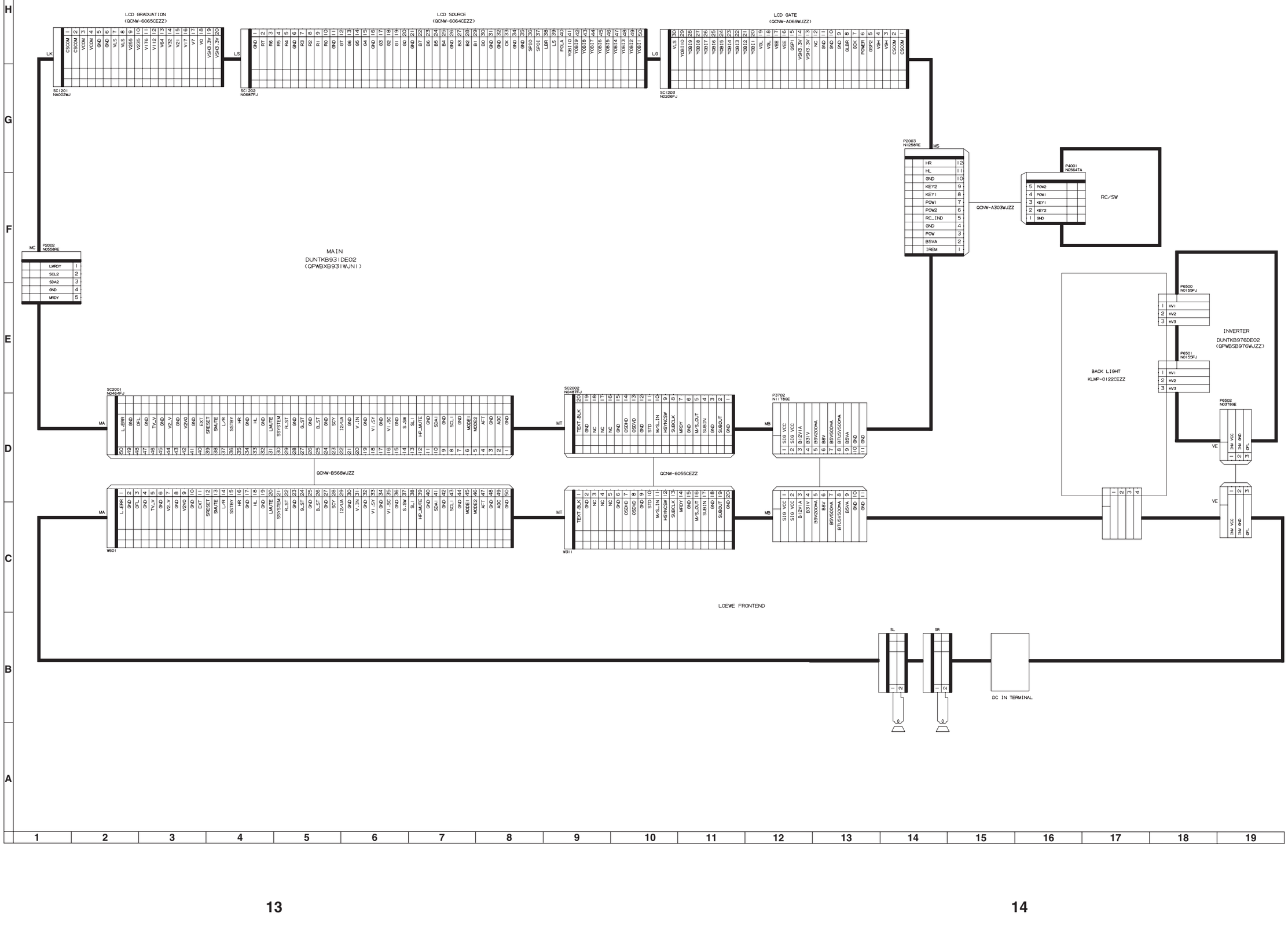
Connection and Cables 20" Kit Spezification



BLOCK DIAGRAM

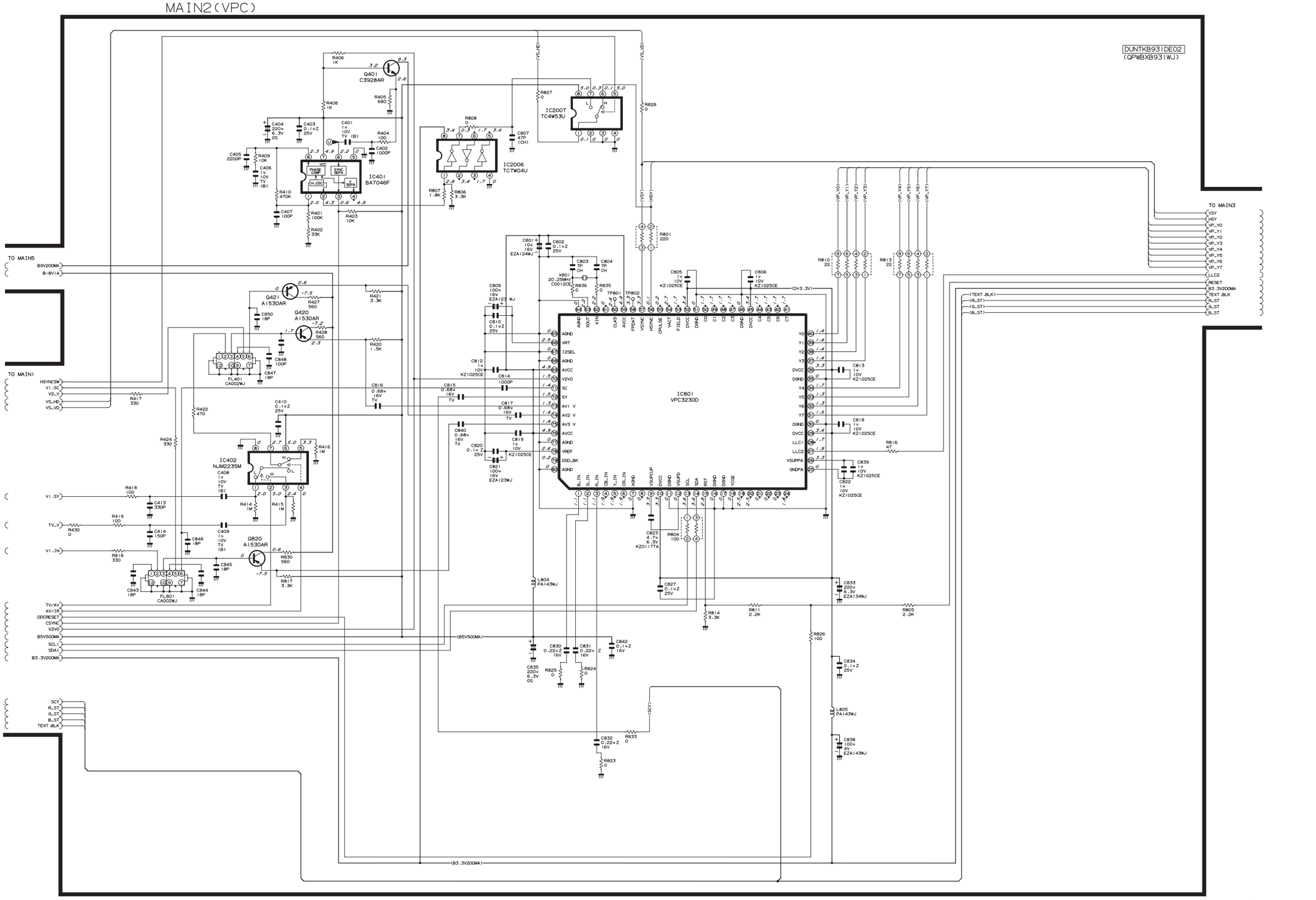


OVERALL WIRING DIAGRAM



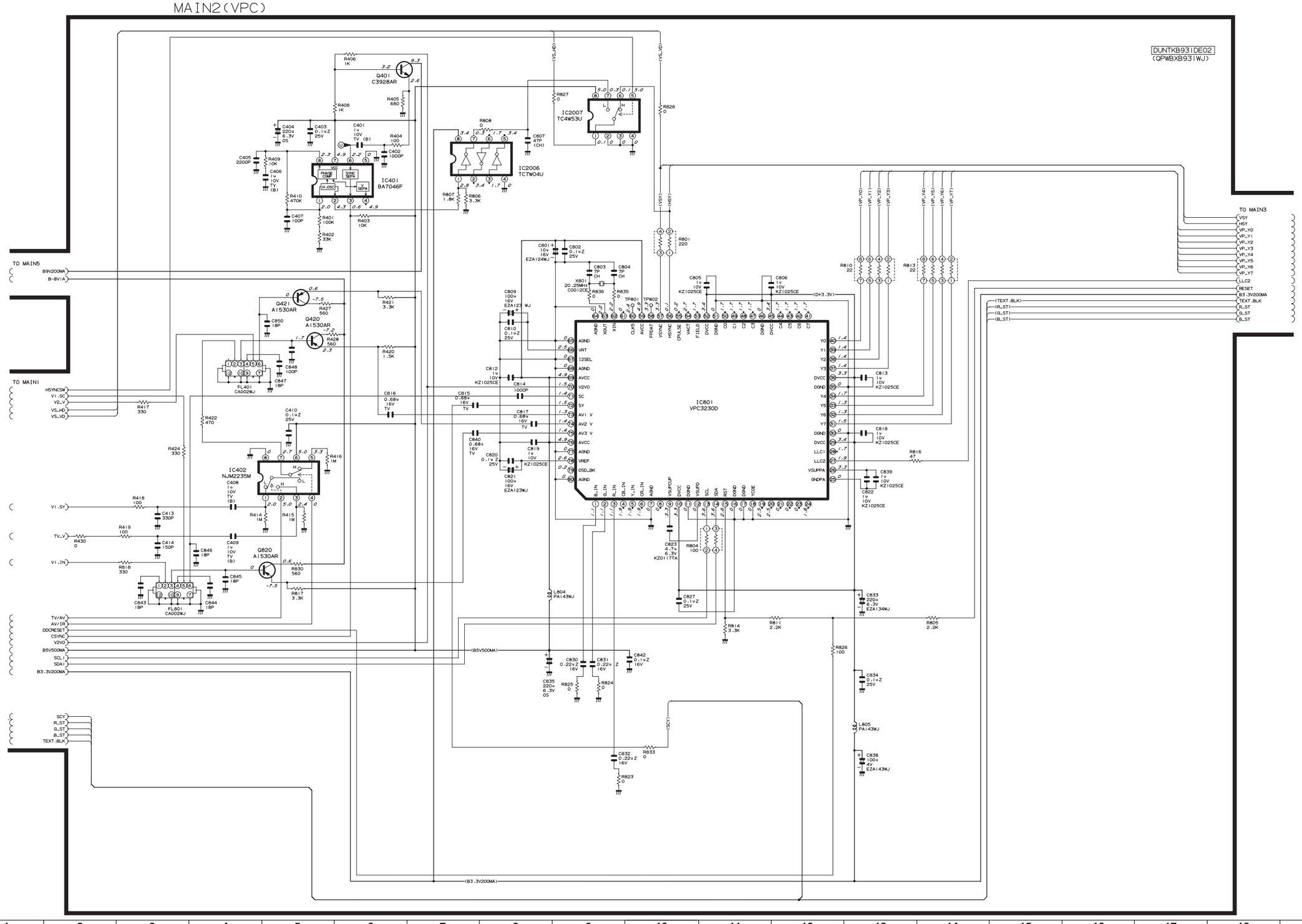
■ MAIN Unit-2/5

MAIN2(VPC)



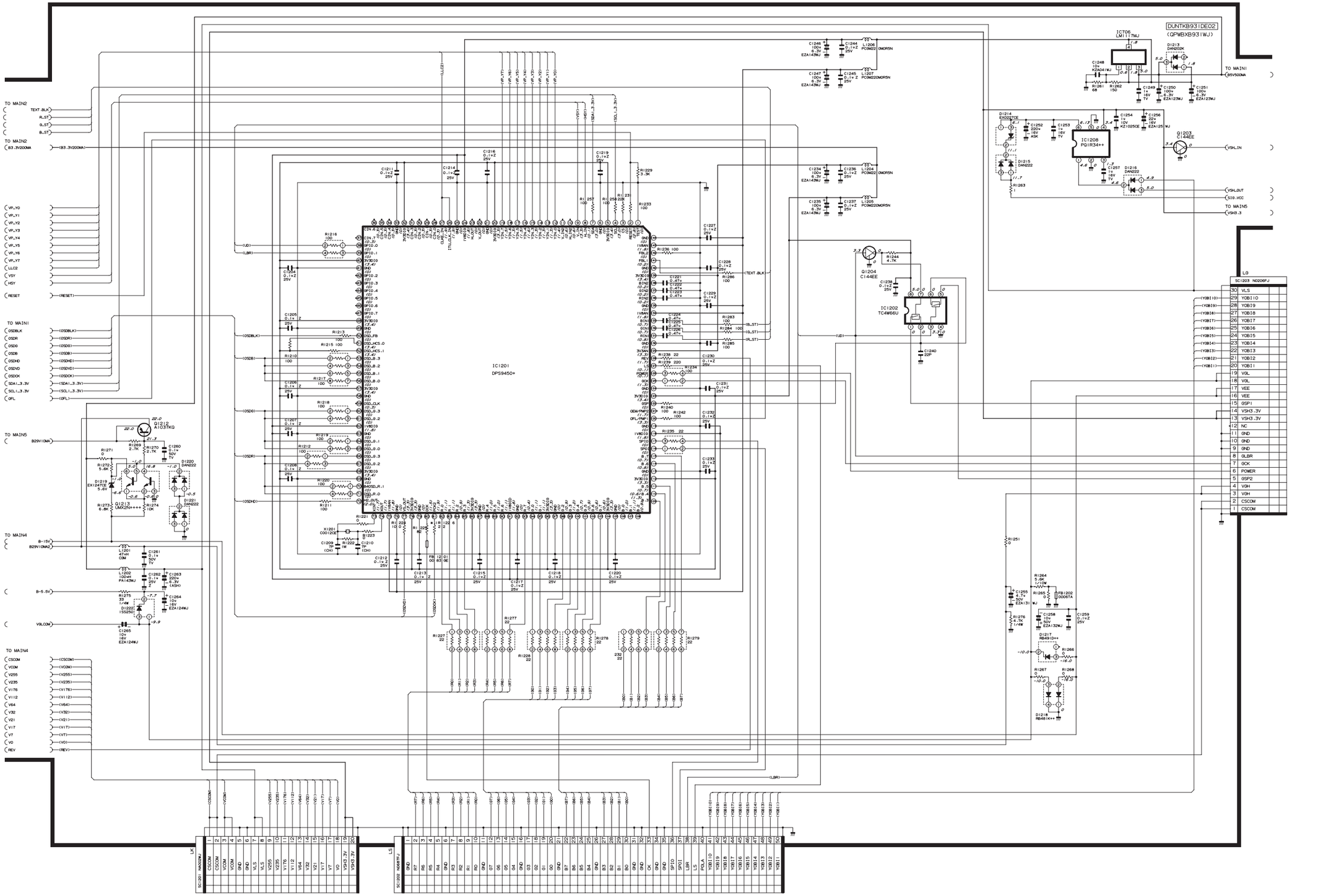
■ MAIN Unit-2/5

MAIN2(VPC)



MAIN Unit-3/5

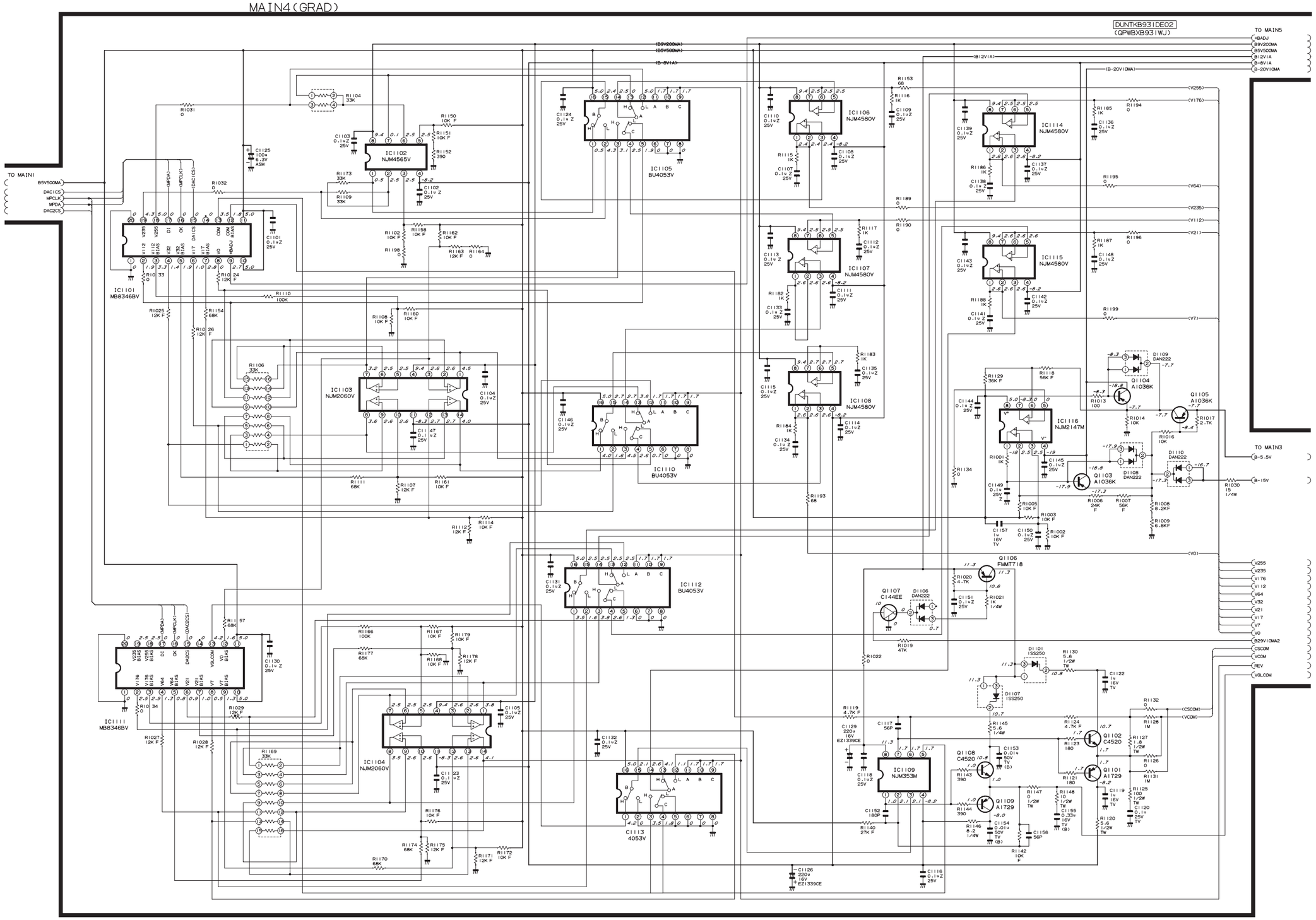
MAIN3(DPS)



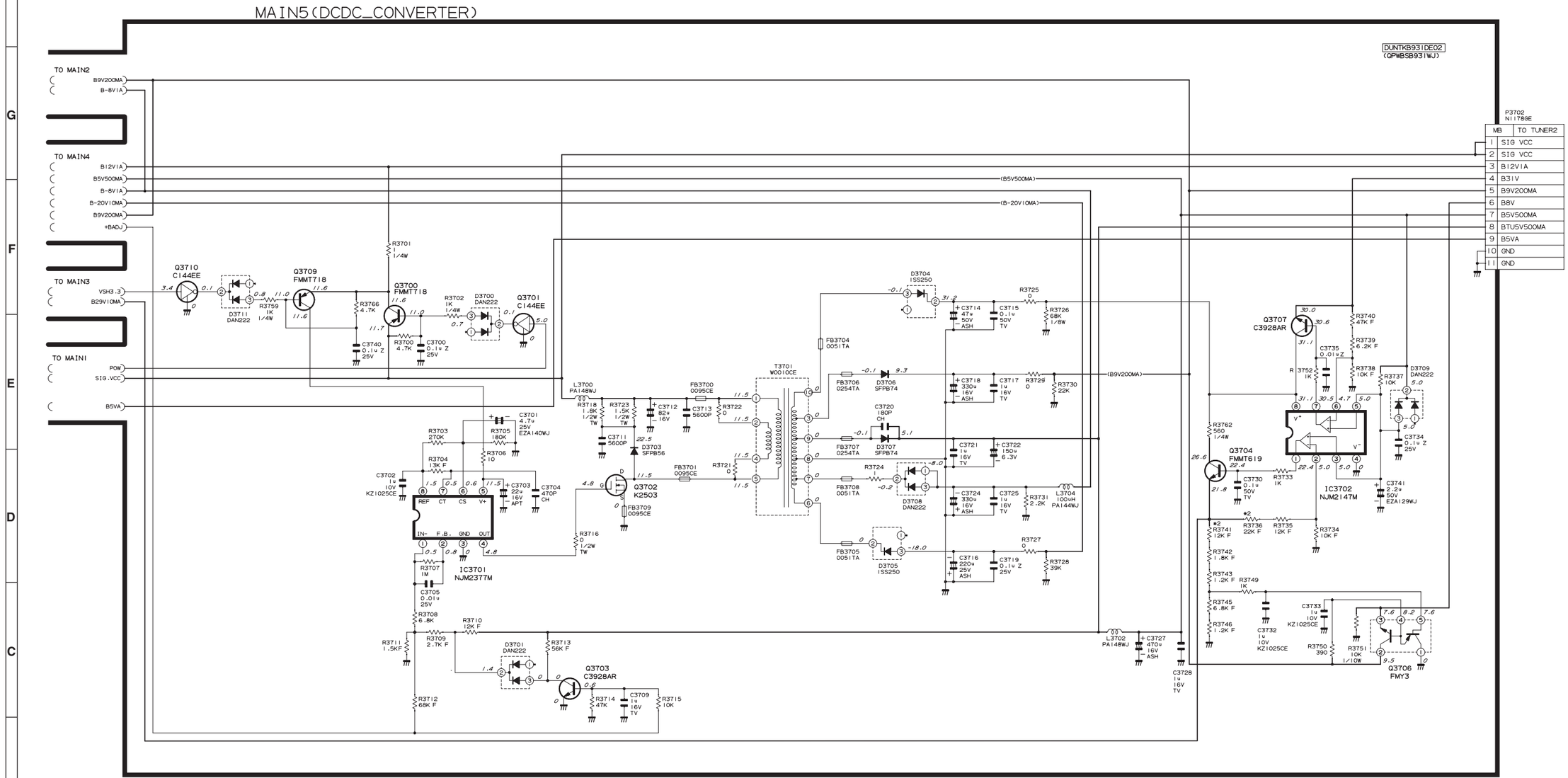
MAIN Unit-4/5

MAIN4(GRAD)

DUNTKB931DE02
(QPWBXB931WJ)

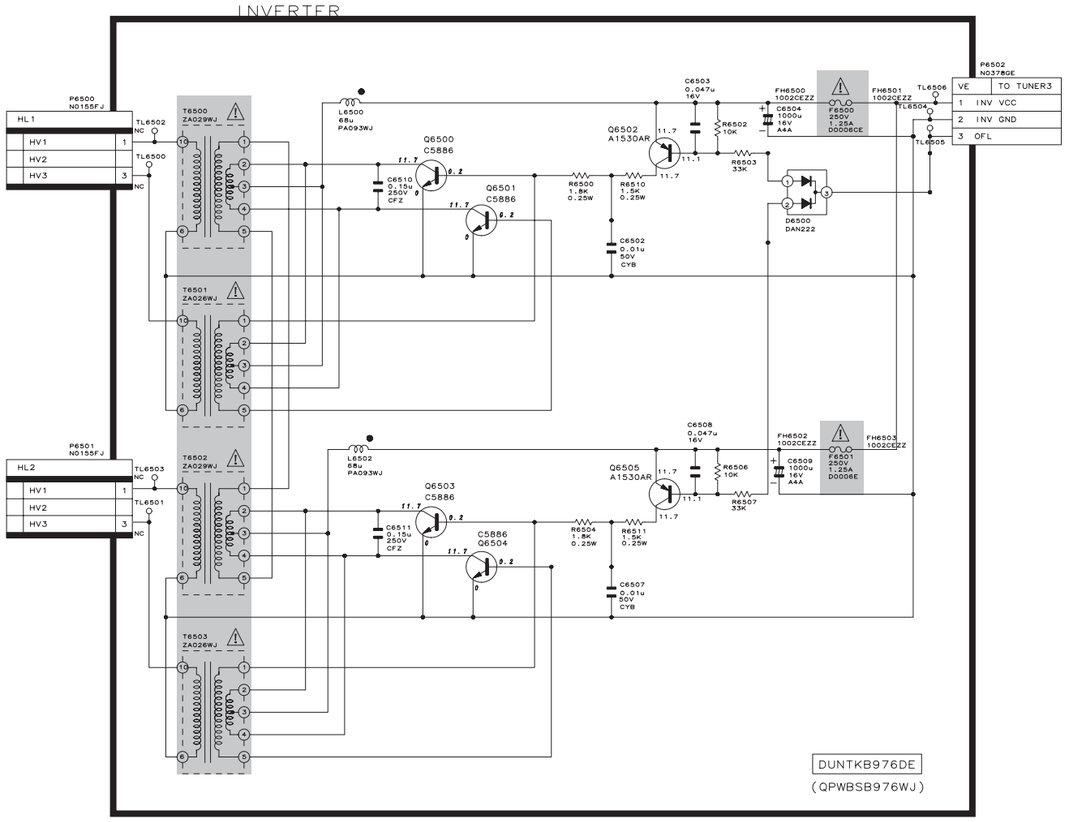


■ MAIN Unit-5/5

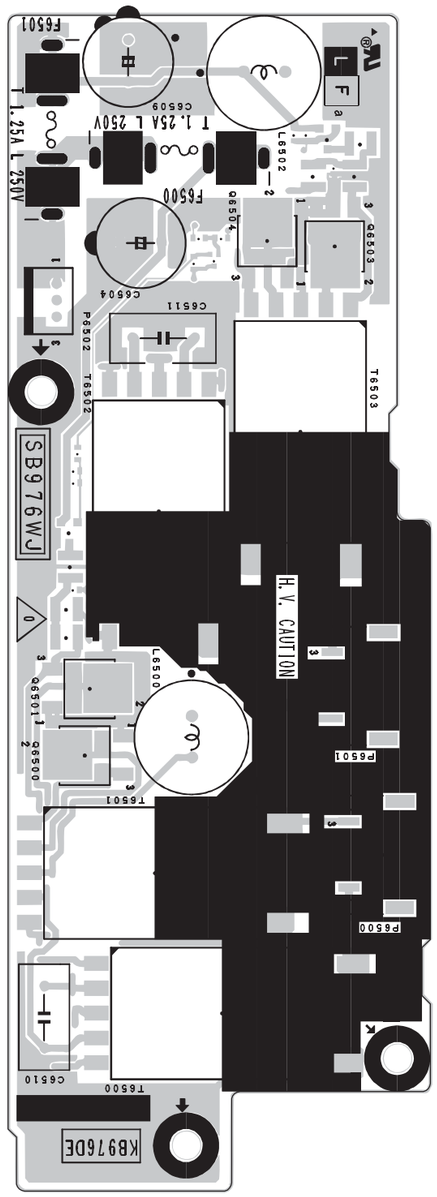


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

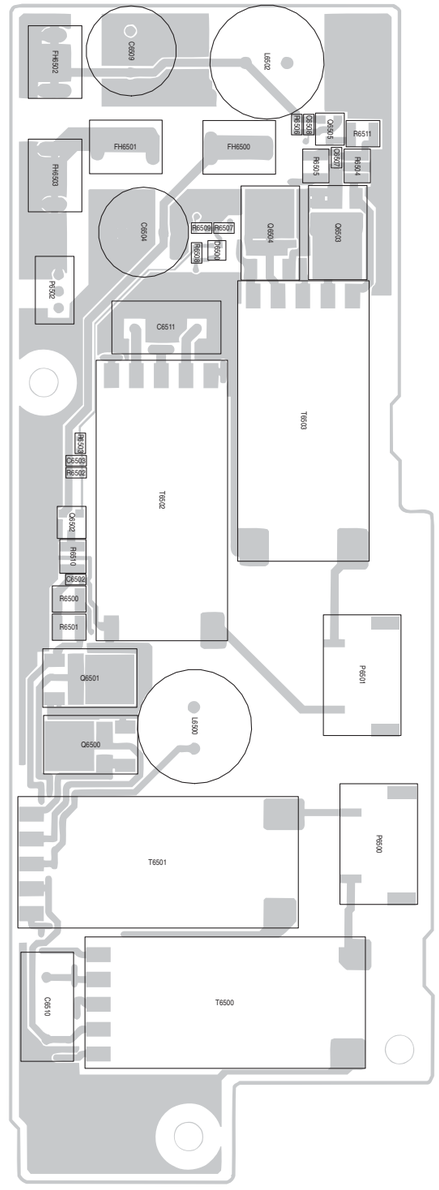
■ INVERTER Unit



PRINTED WIRING BOARD ASSEMBLIES

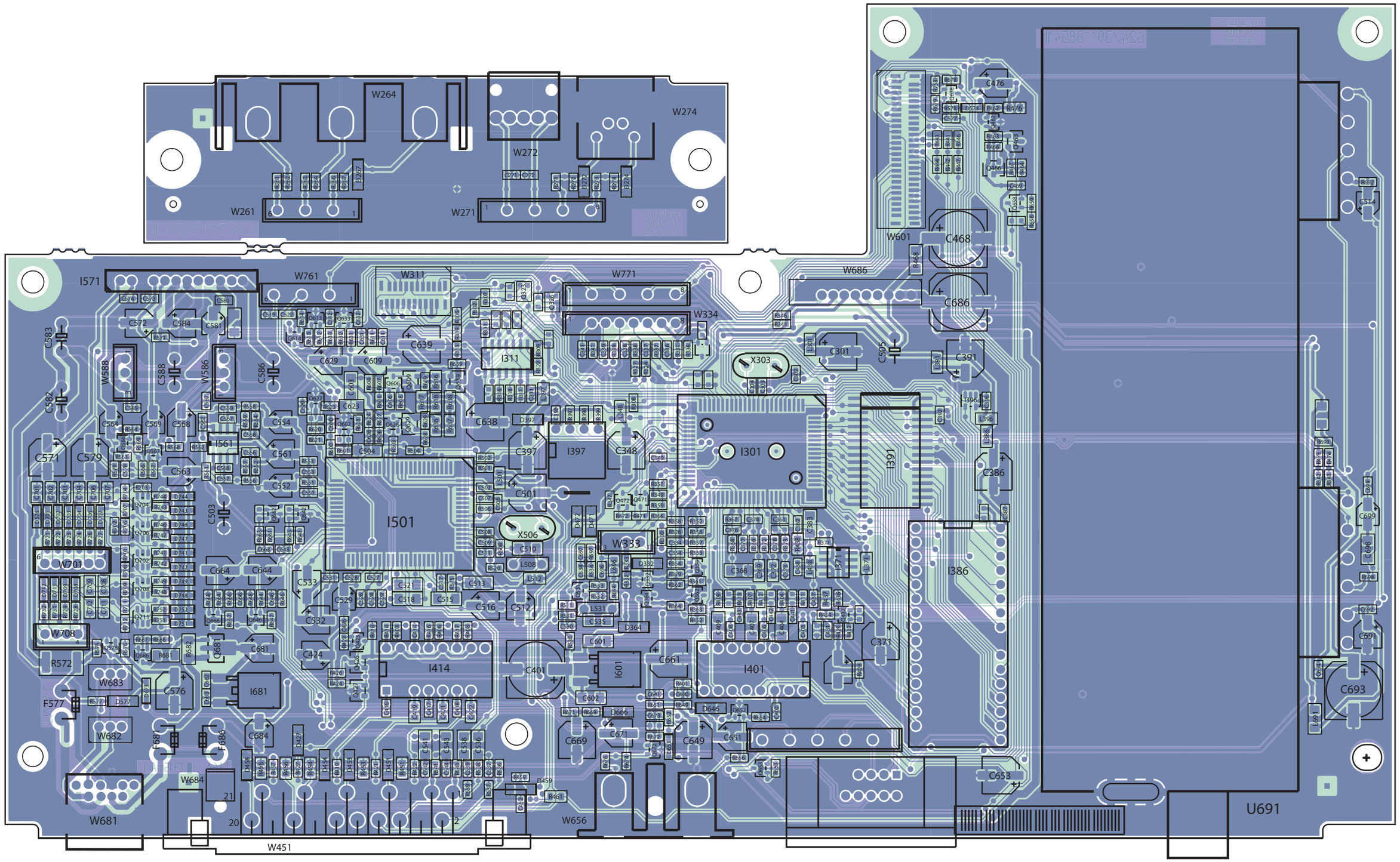


(Side-A)

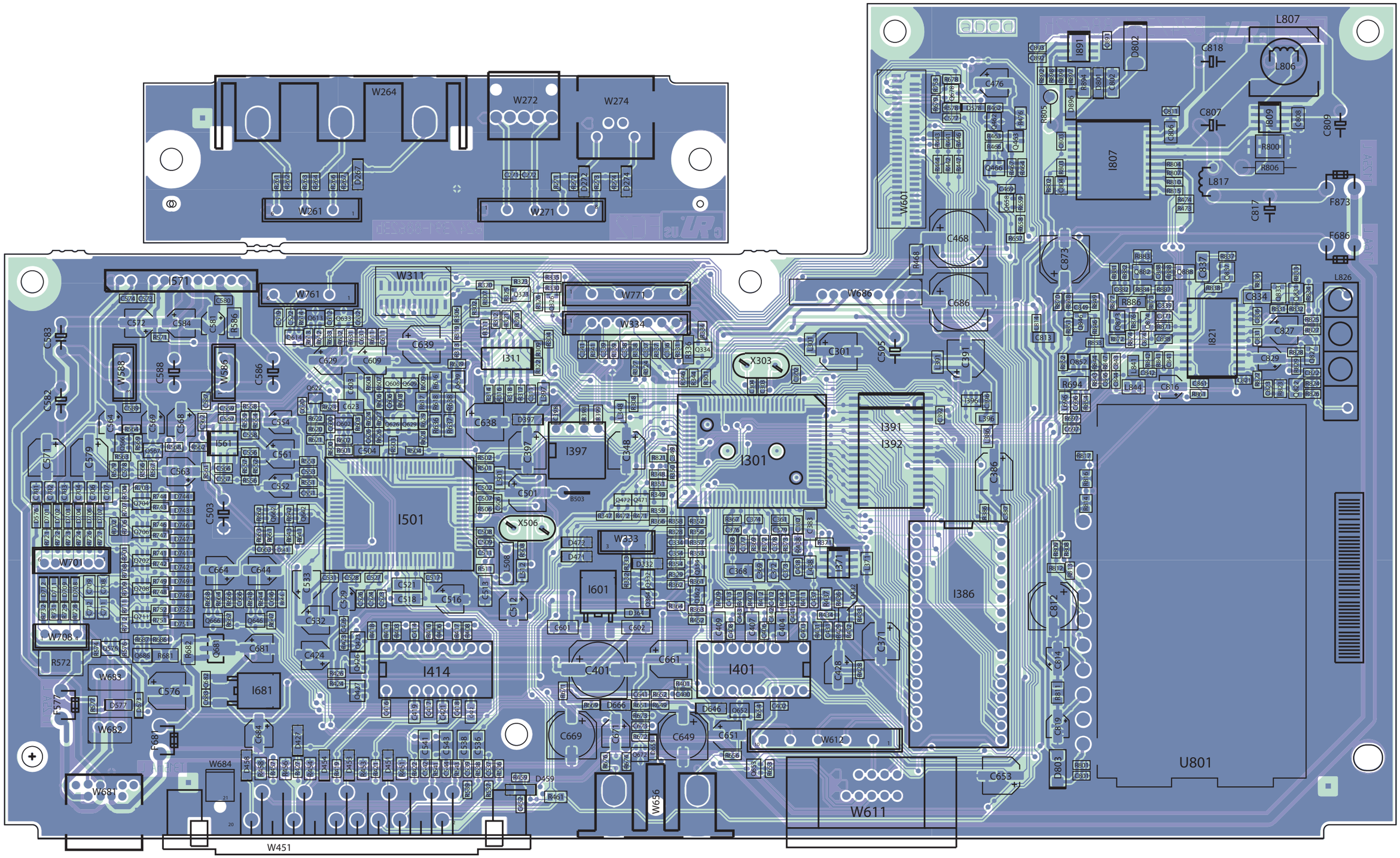


(Chip Parts Side-A)

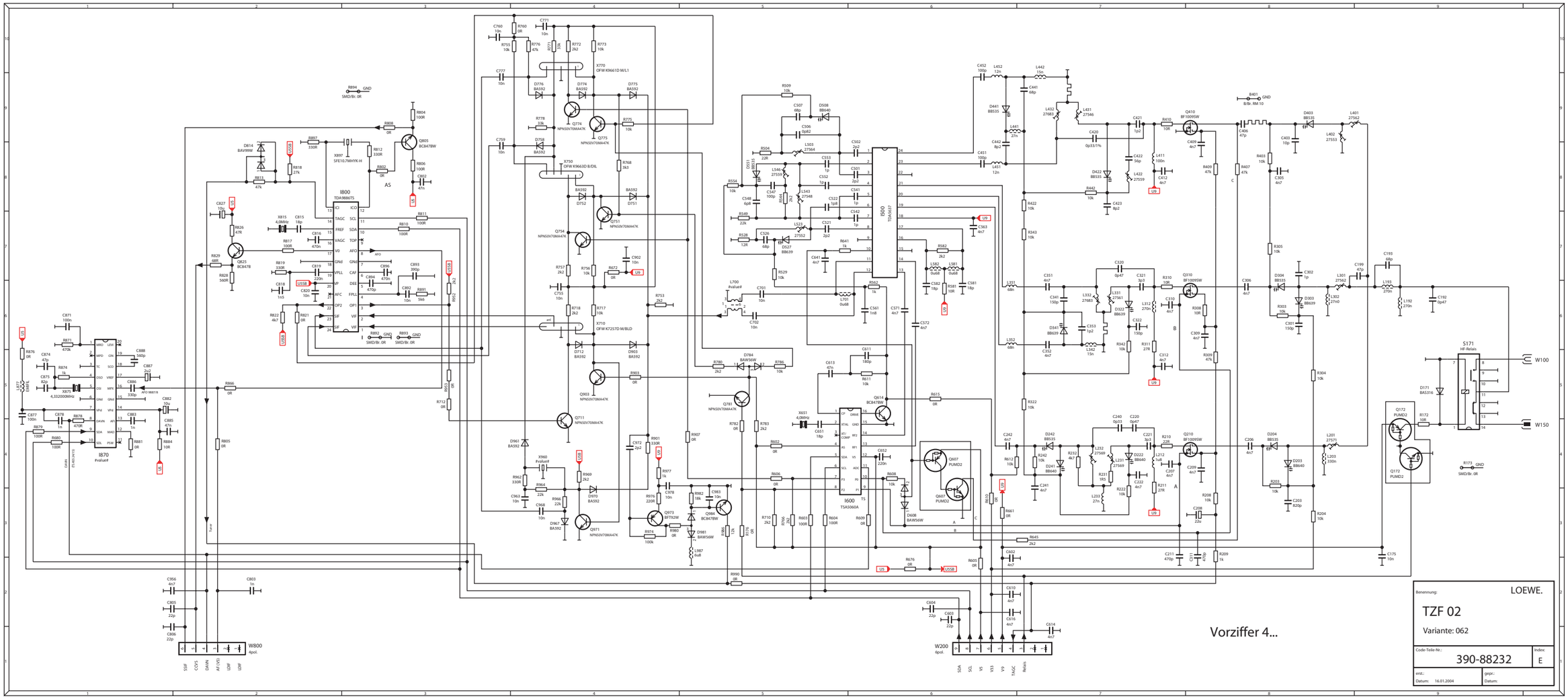
INVERTER Unit



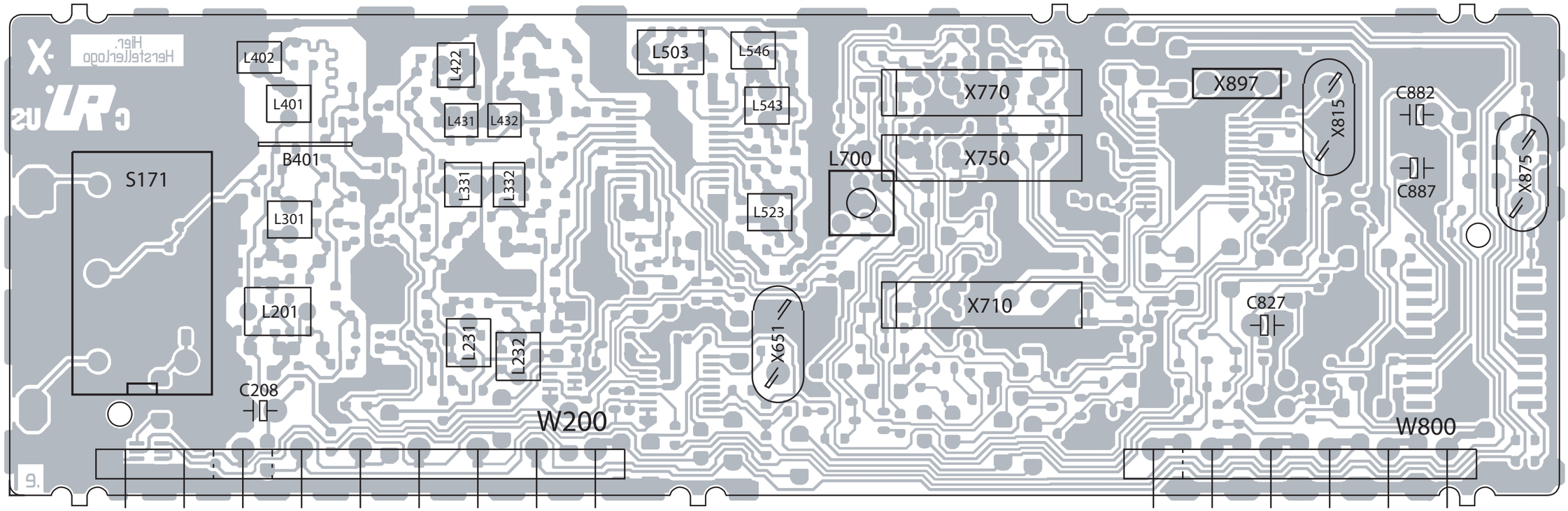
Ltpl. Frontend LCD Display 88492H (Frontend ASV 88541 + Buchenplatte 88542) Bestückungsseite • **Frontend LCD ASV P.C.B 88492H (Frontend ASV 88541 + Connector Board 88542)** Components side



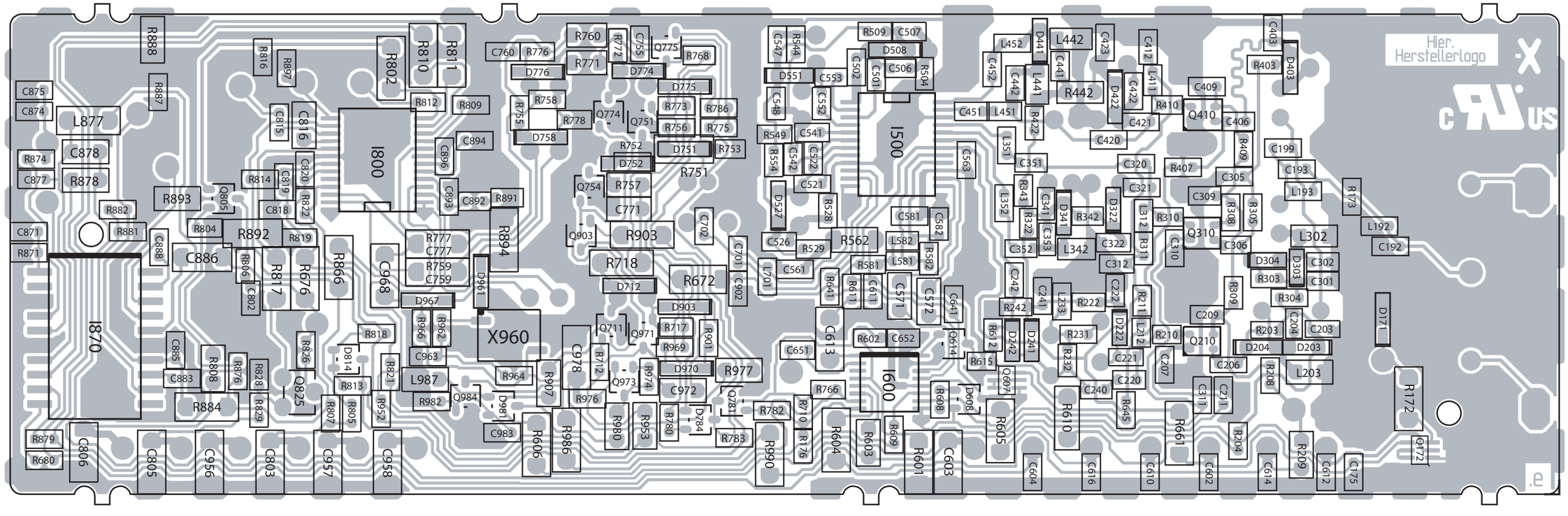
Ltpl. Frontend LCD Display SAT 88621C (Frontend ASV 88622 + Buchsenplatte 88623) Bestückungsseite • **Frontend LCD Display SAT P.C.B. 88621C (Frontend ASV 88622 + Connector Board 88623)** Components side



Benennung:	LOEWE.
TZF 02	
Variante: 062	
Code-Teile-Nr.: 390-88232	Index: E
ent.: Datum: 16.01.2004	gepr.: Datum:

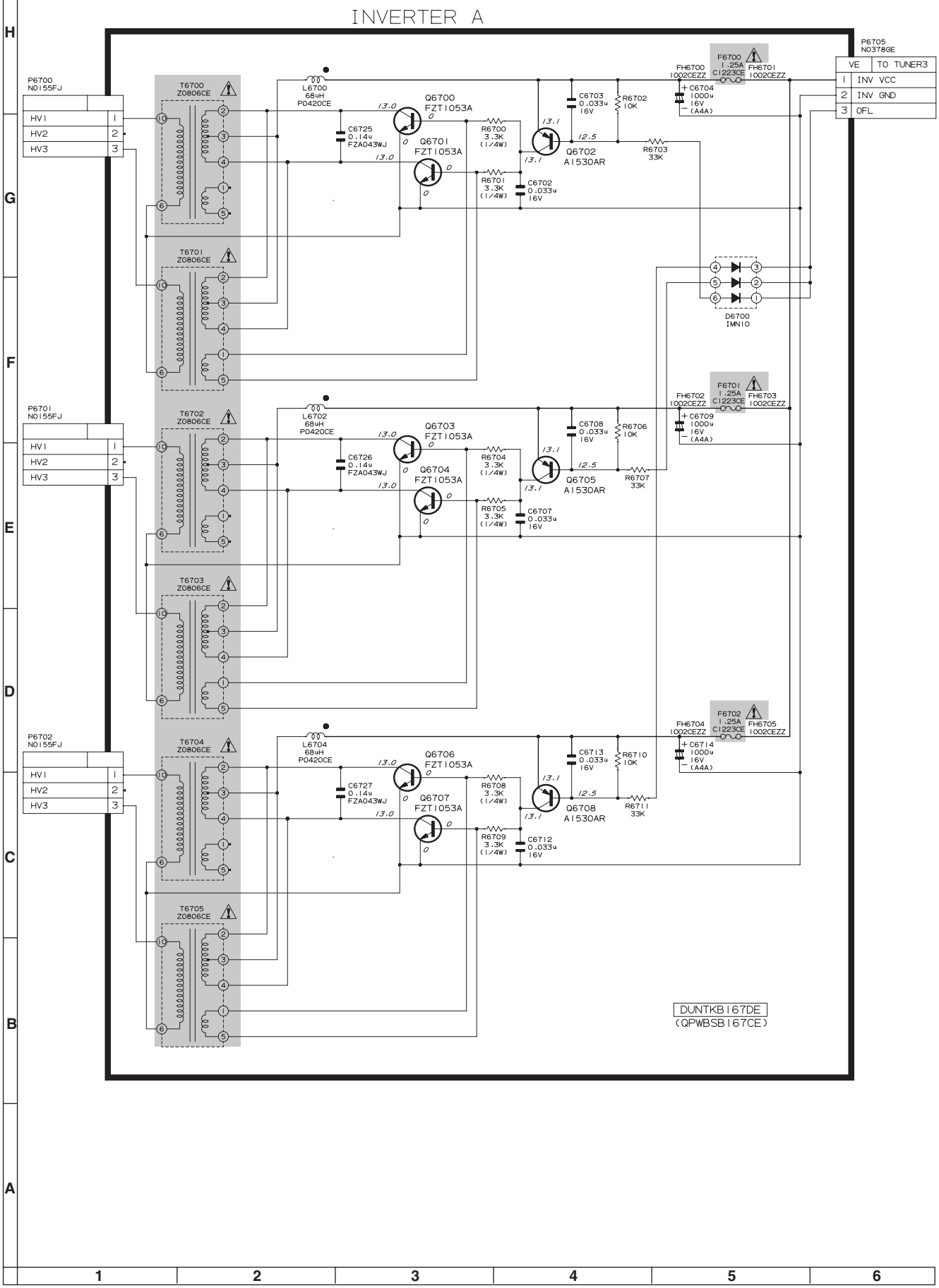


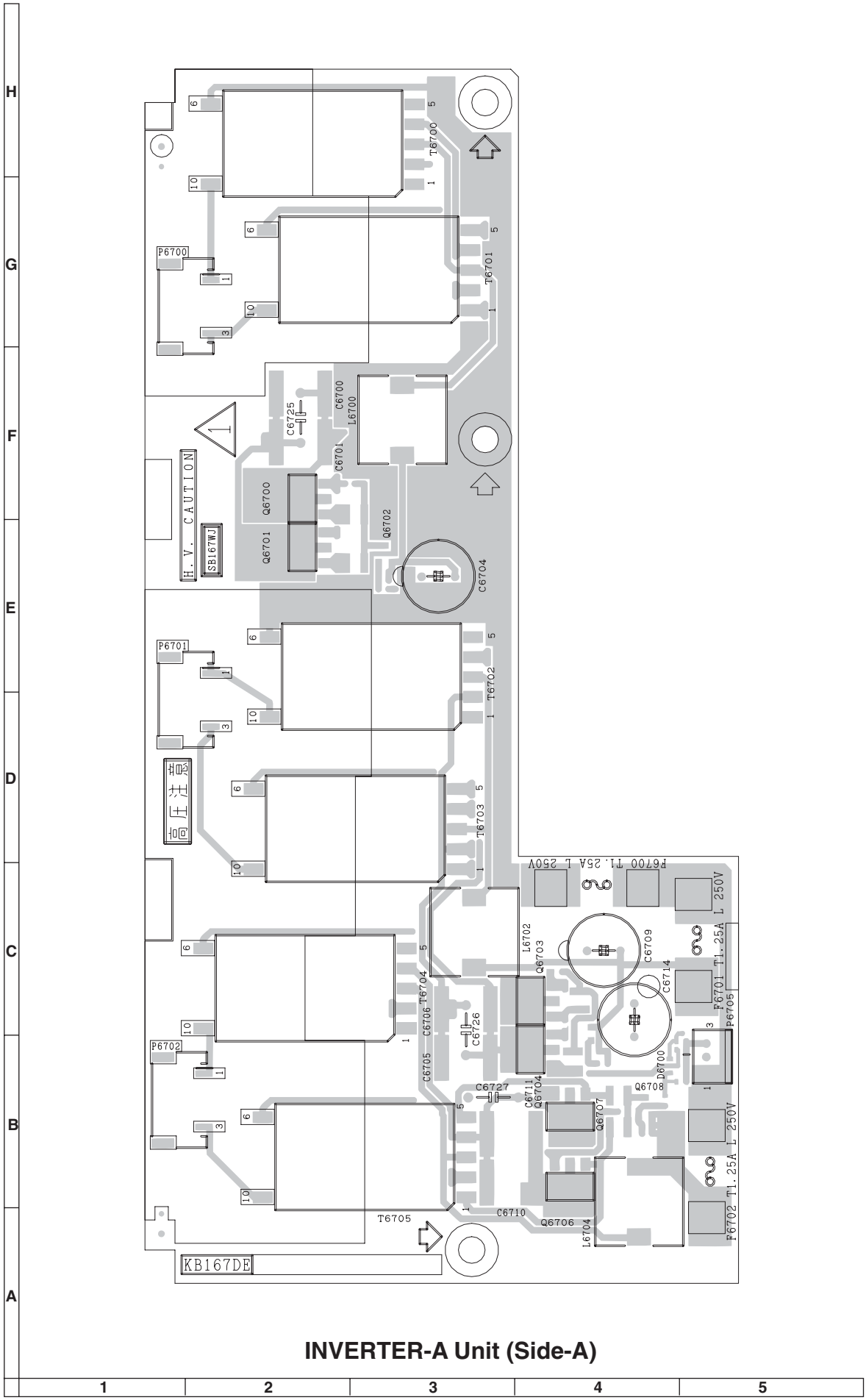
Tuner/ZF 88232E (av) Bestückungsseite • Tuner/IF P.C.B 88232E (av) Components side



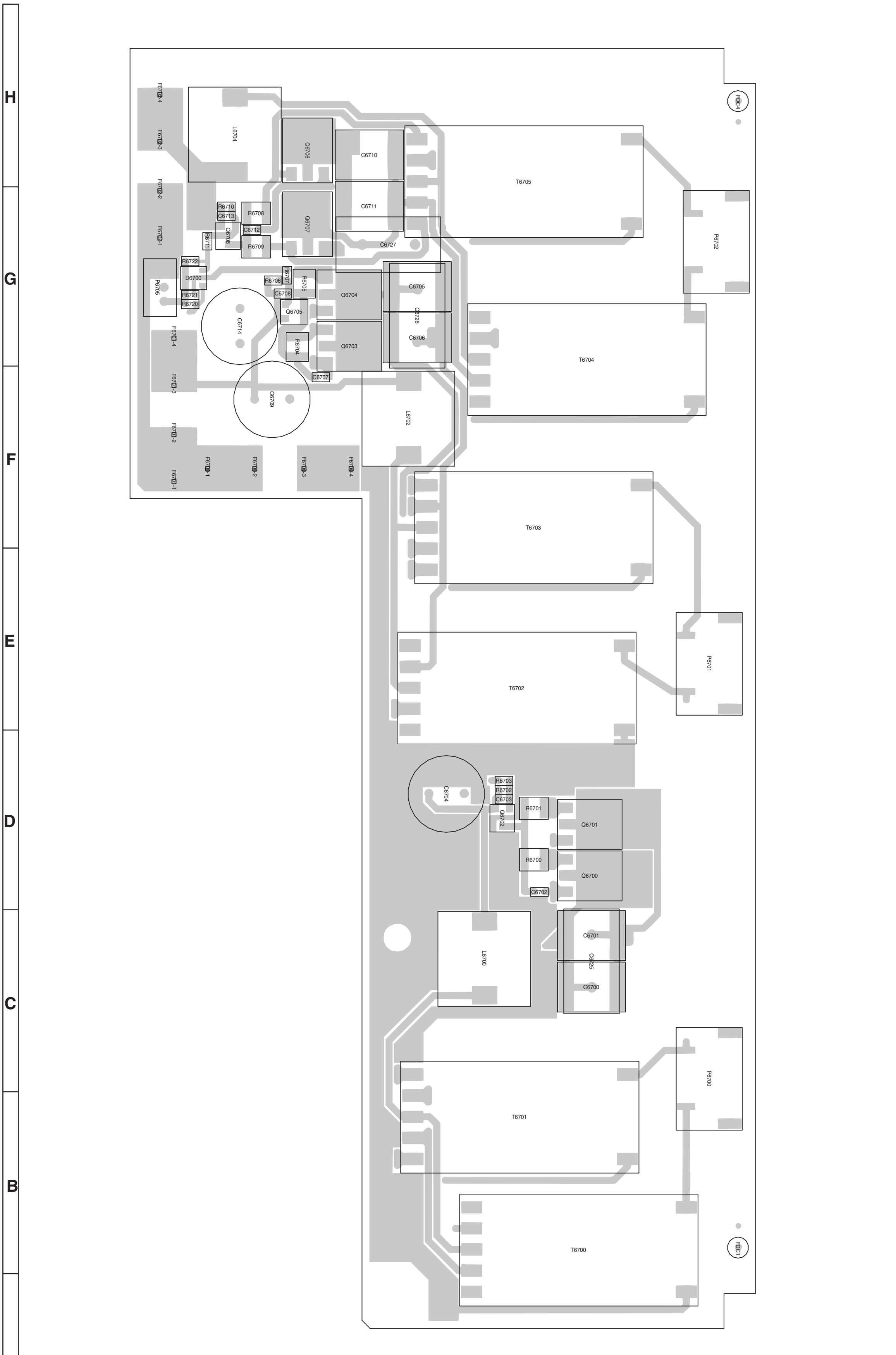
Tuner/ZF 88232E (av) Lötseite • Tuner/IF P.C.B 88232E (av) Solder side

INVERTER-A Unit





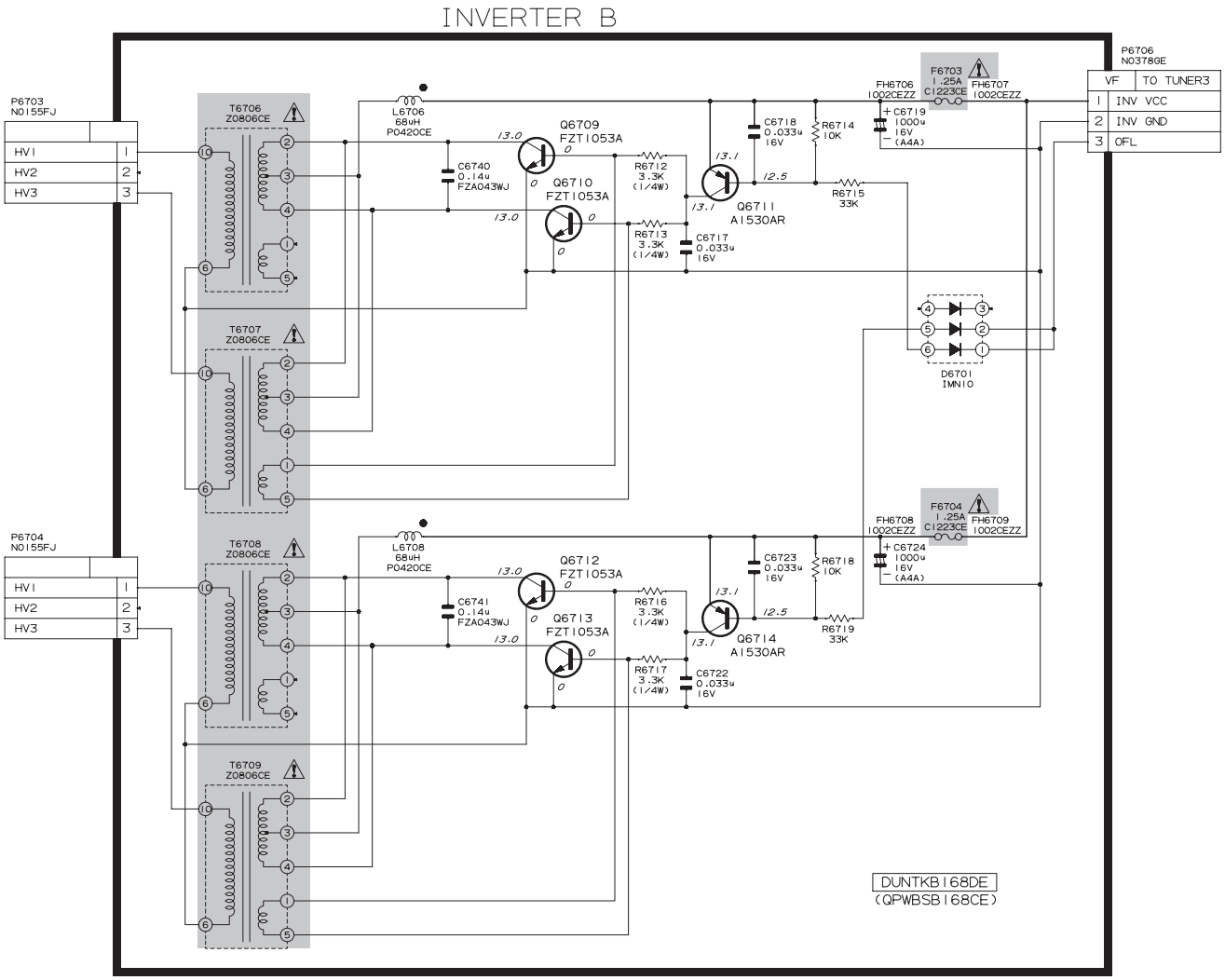
INVERTER-A Unit (Side-A)

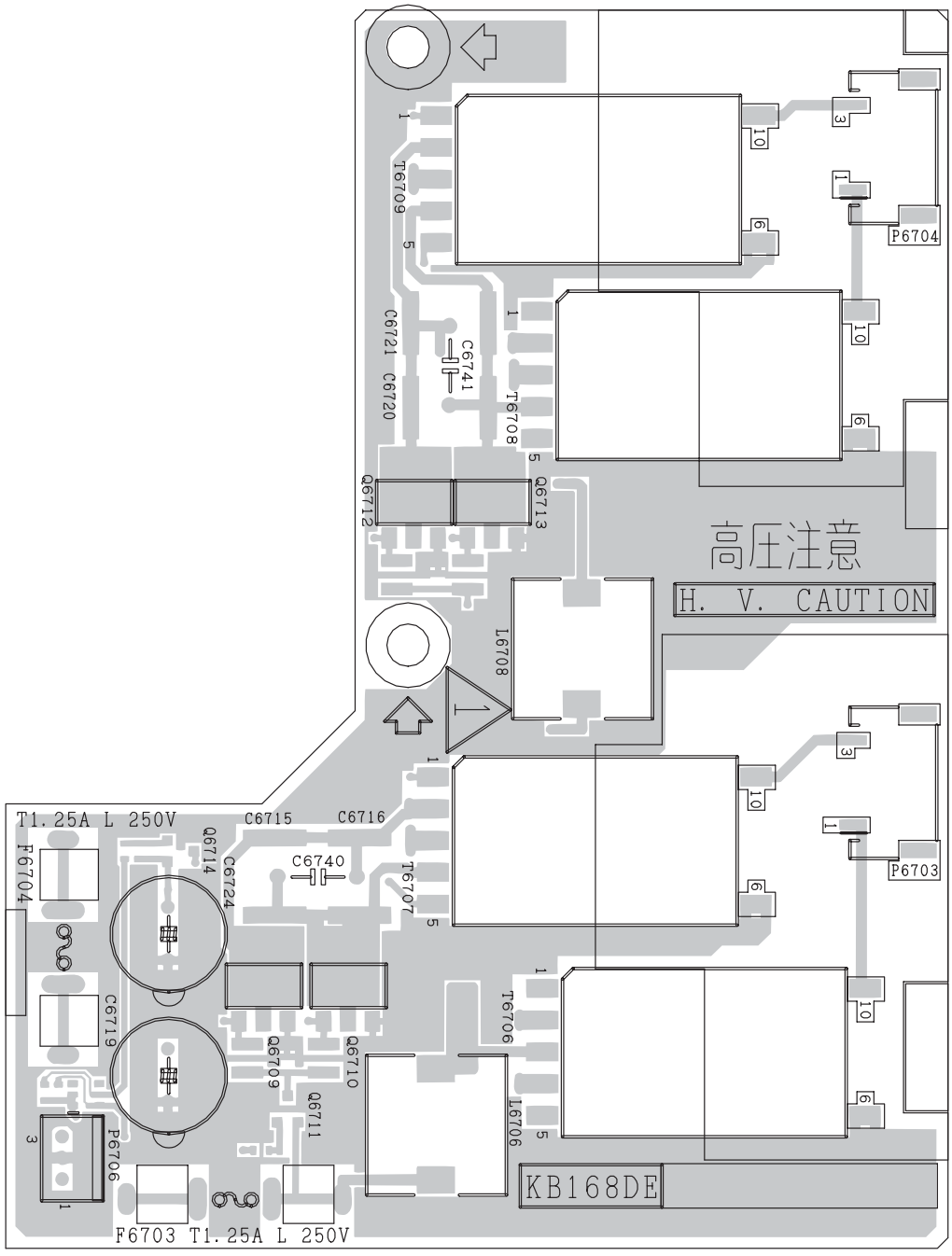

H
G
F
E
D
C
B
A
L6704
Q6706
C6710
C6711
Q6707
C6727
T6705
FDC4
P6702
R6710
C6713
R6708
C6712
Q6708
R6711
R6709
R6722
D6700
P6705
R6721
R6720
R6706
R6707
R6705
C6708
Q6705
Q6704
C6705
C6726
C6706
C6714
R6704
Q6703
T6704
C6707
C6709
L6702
T6703
T6702
P6701
C6704
R6703
R6702
C6703
Q6702
R6701
Q6701
R6700
Q6700
C6702
L6700
C6701
C6725
C6700
T6701
P6700
T6700
FDC1

INVERTER-A Unit (Chip Parts Side-A)

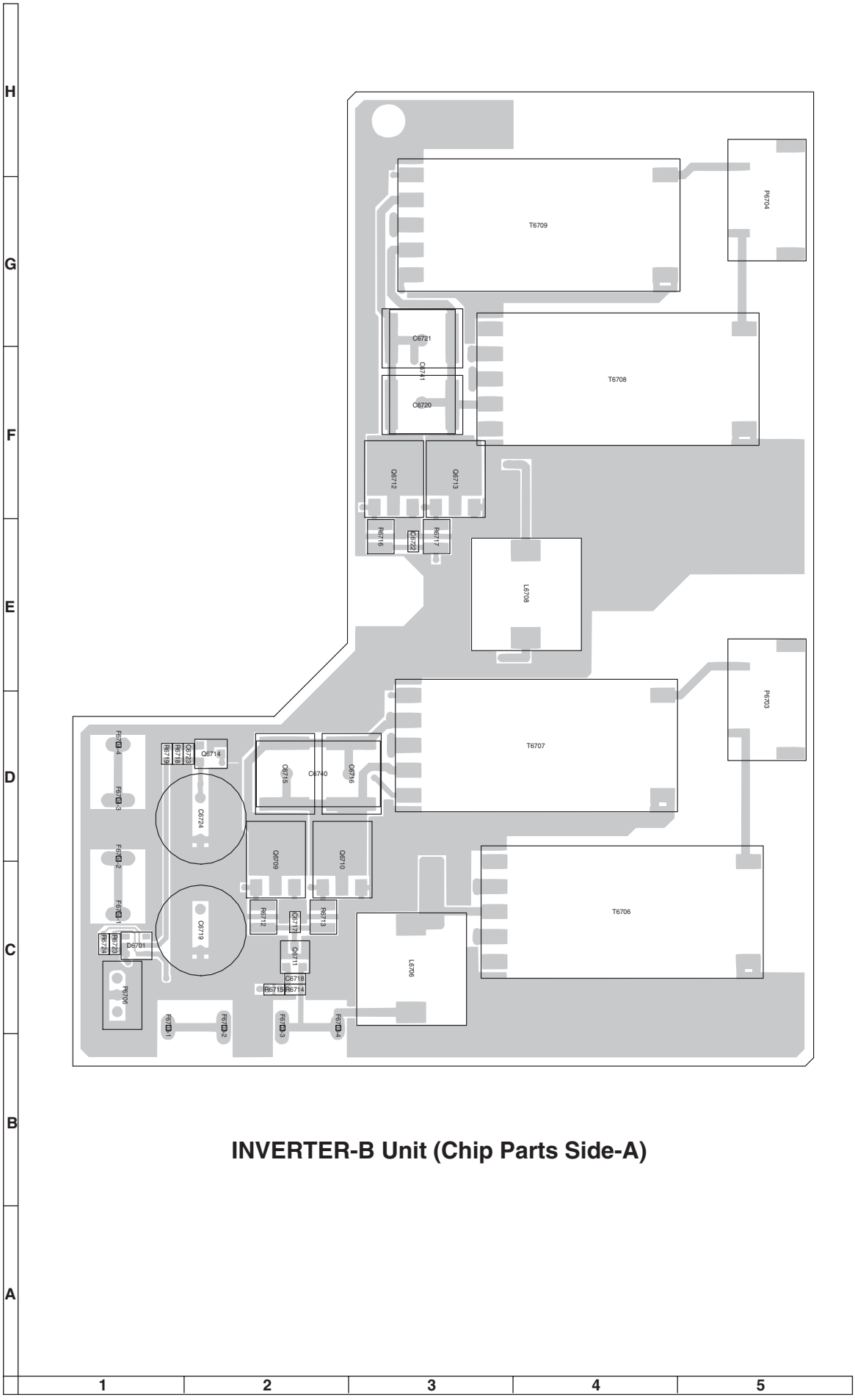
1 2 3 4 5

INVERTER-B Unit

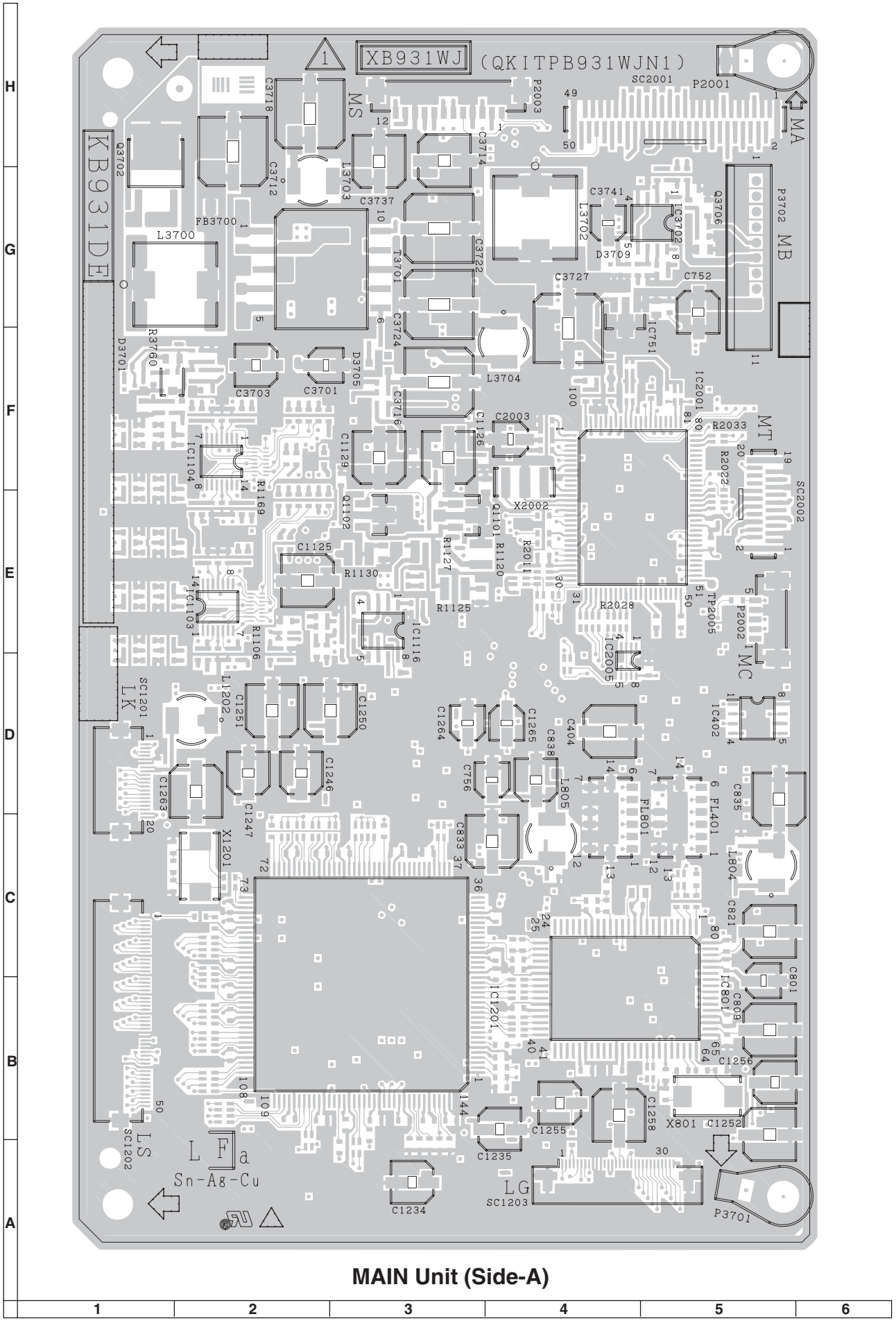




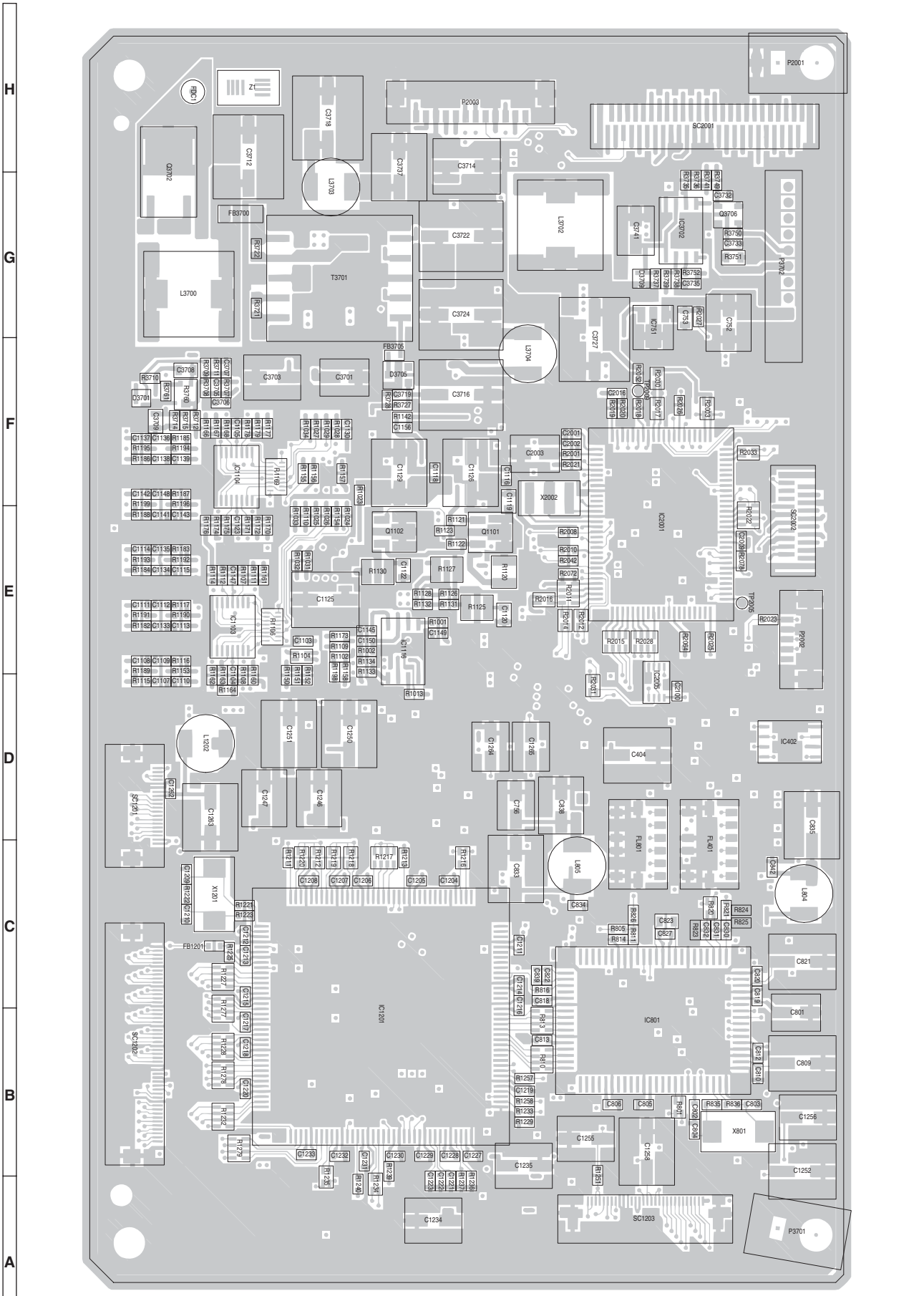
INVERTER-B Unit (Side-A)



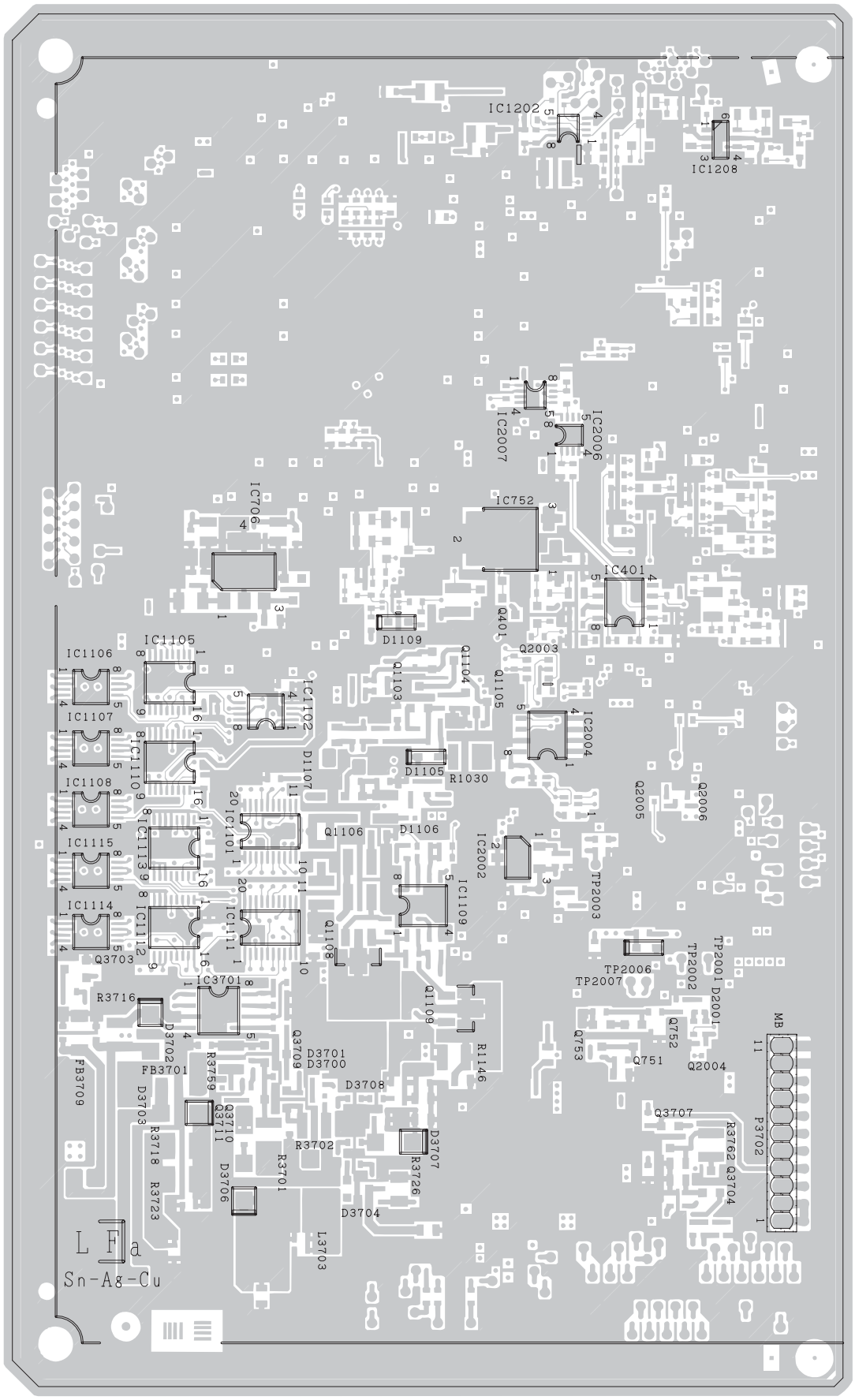
INVERTER-B Unit (Chip Parts Side-A)



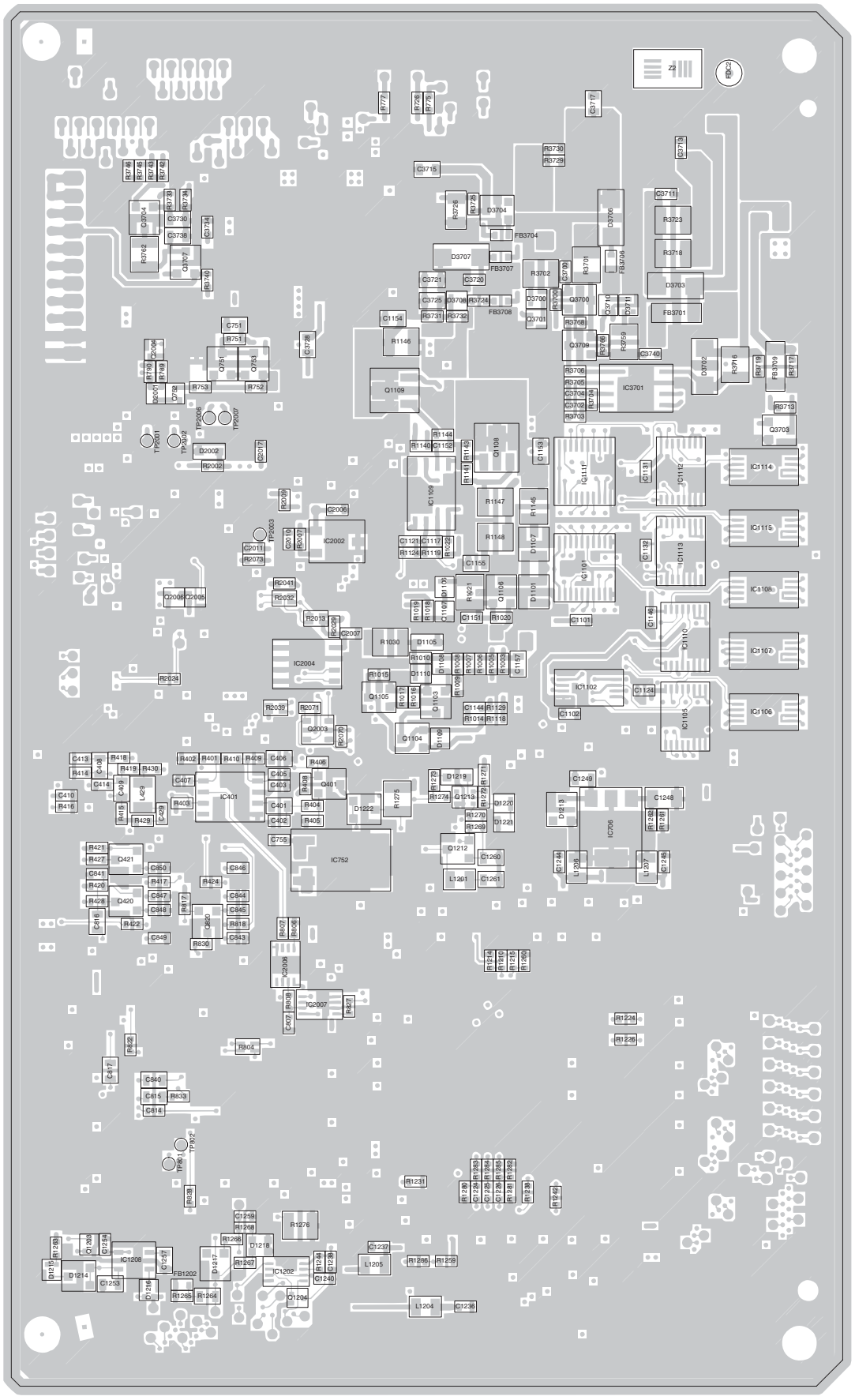
MAIN Unit (Side-A)



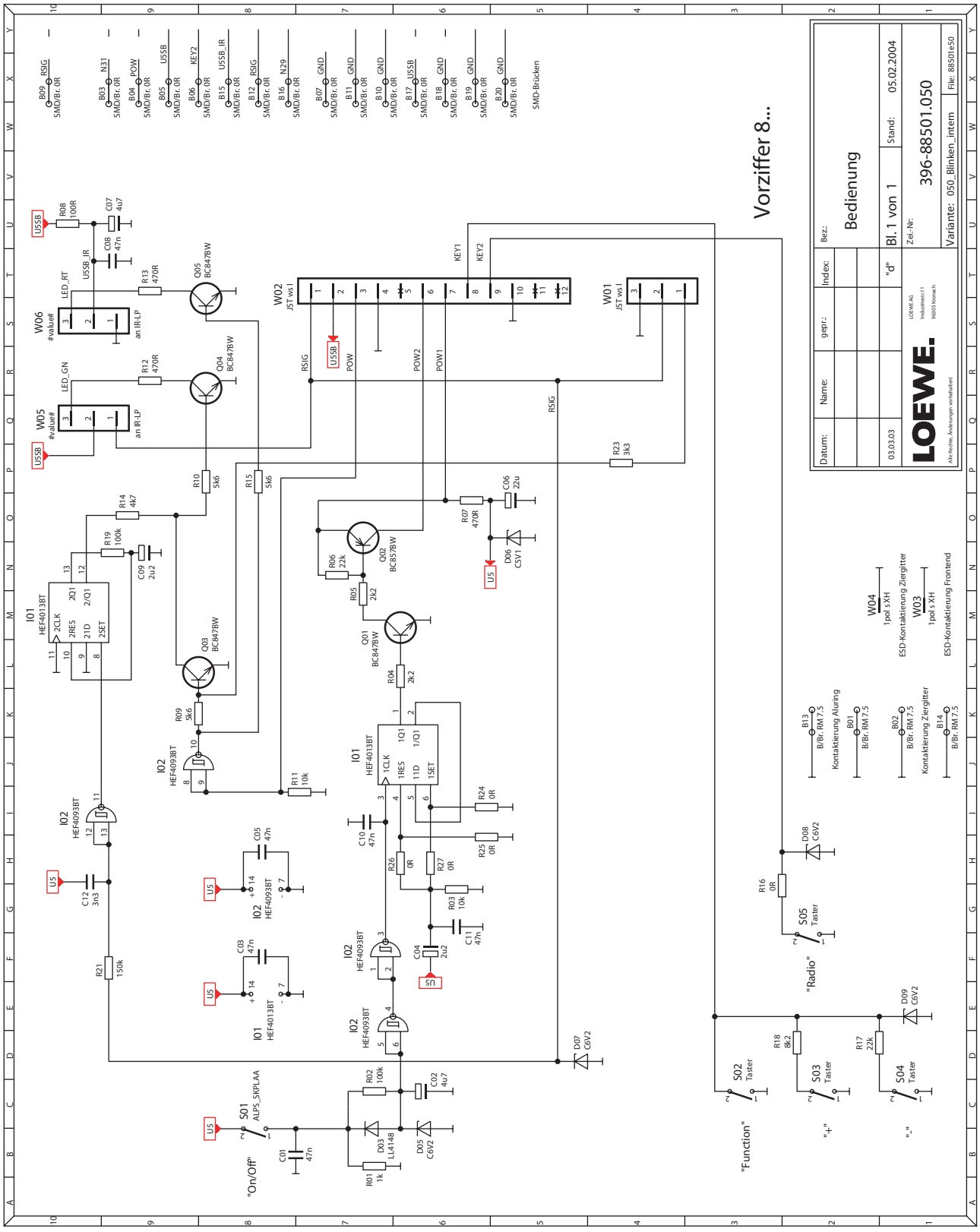
MAIN Unit (Chip Parts Side-A)

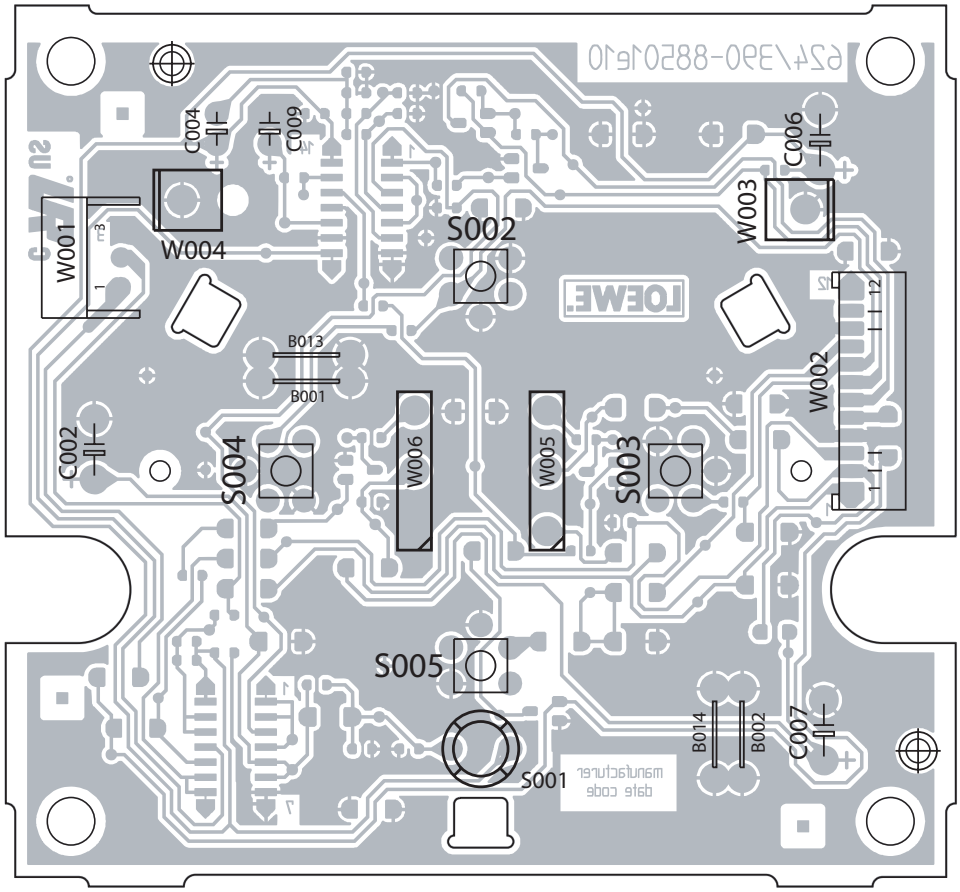


MAIN Unit (Side-B)

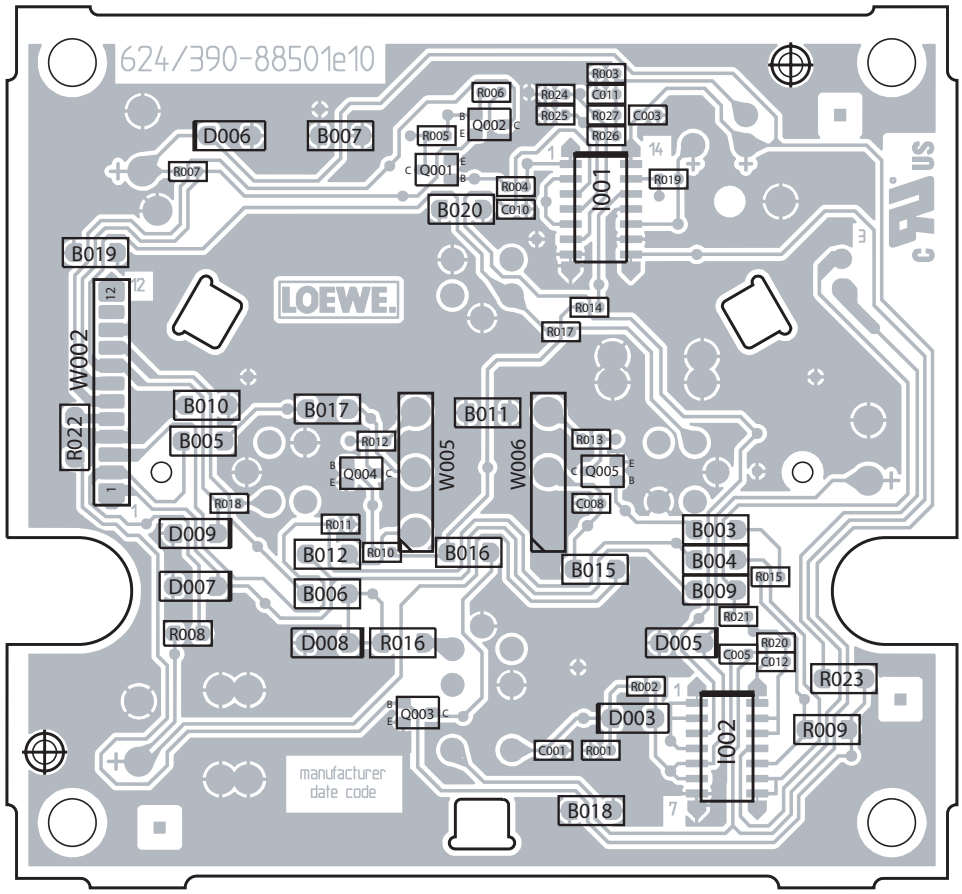


MAIN Unit (Chip Parts Side-B)

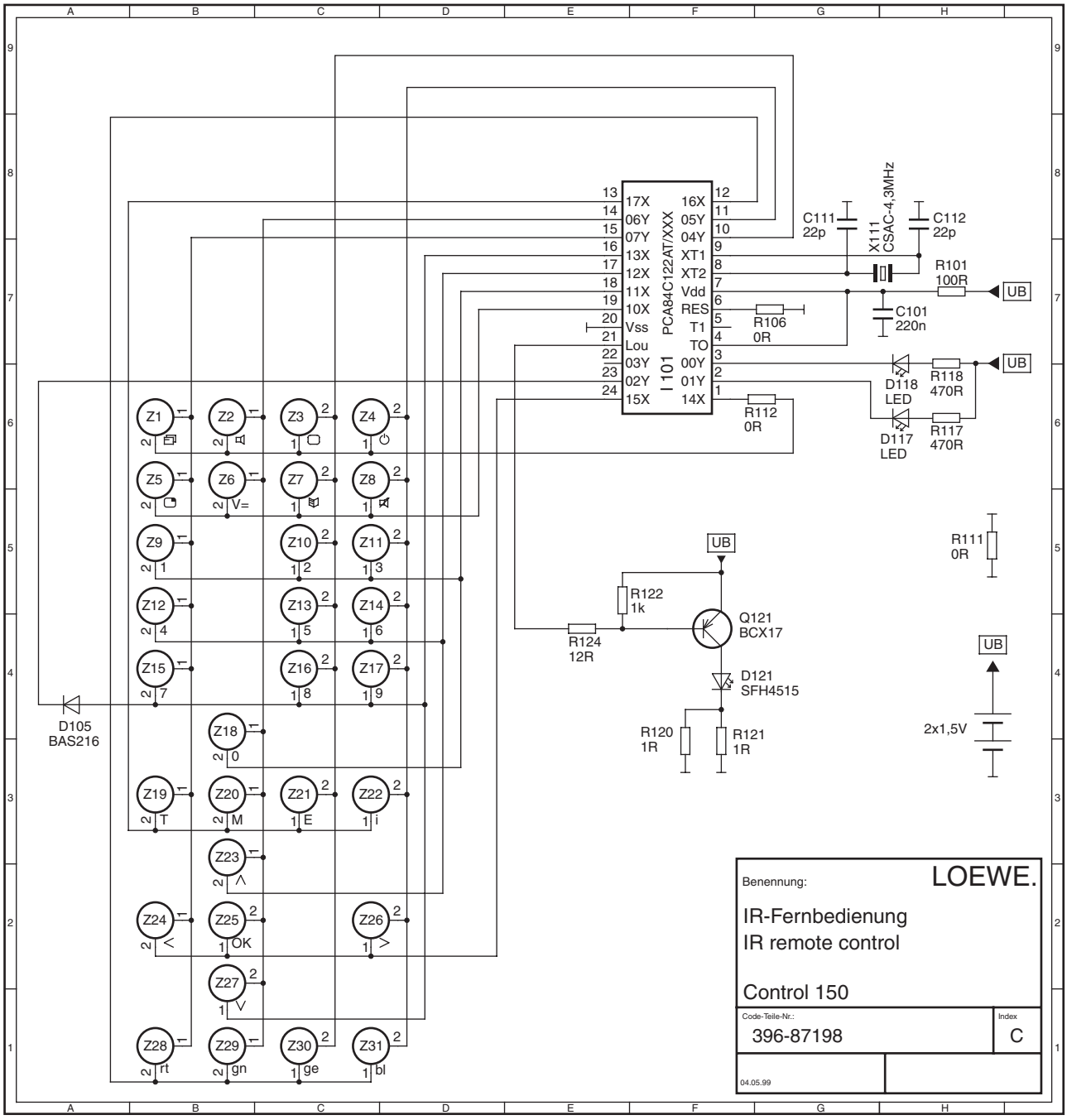

Vorziffer 8...
LOEWE.
Bedienung
Bl. 1 von 1
Stand: 05.02.2004
Zei.-Nr: 396-88501.050
Variante: 050_Blinken_intern
File: 88501e50
"On/Off"
"Function"
"Radio"
"+"
"-"
ESD-Kontaktierung Zergitter
ESD-Kontaktierung Frontend
Kontaktierung Aluring
SMD-Brücken



Ltpl. Bedienteil 88501E Bestückungsseite • **Control Unit P.C.B 88501E** Components side



Ltpl. Bedienteil 88501C Lötseite • **Control Unit P.C.B 88501C** Solder side


I101
PCA84C122AT/XXX
17X
06Y
07Y
13X
12X
11X
10X
Vss
Lou
03Y
02Y
15X
16X
05Y
04Y
XT1
XT2
Vdd
RES
T1
TO
00Y
01Y
14X
C111 22p
X111 CSAC-4,3MHz
C112 22p
R101 100R
C101 220n
R106 0R
R112 0R
D118 LED
R118 470R
D117 LED
R117 470R
UB
R111 0R
R122 1k
Q121 BCX17
R124 12R
D121 SFH4515
R120 1R
R121 1R
2x1,5V
D105 BAS216
Z1
Z2
Z3
Z4
Z5
Z6
Z7
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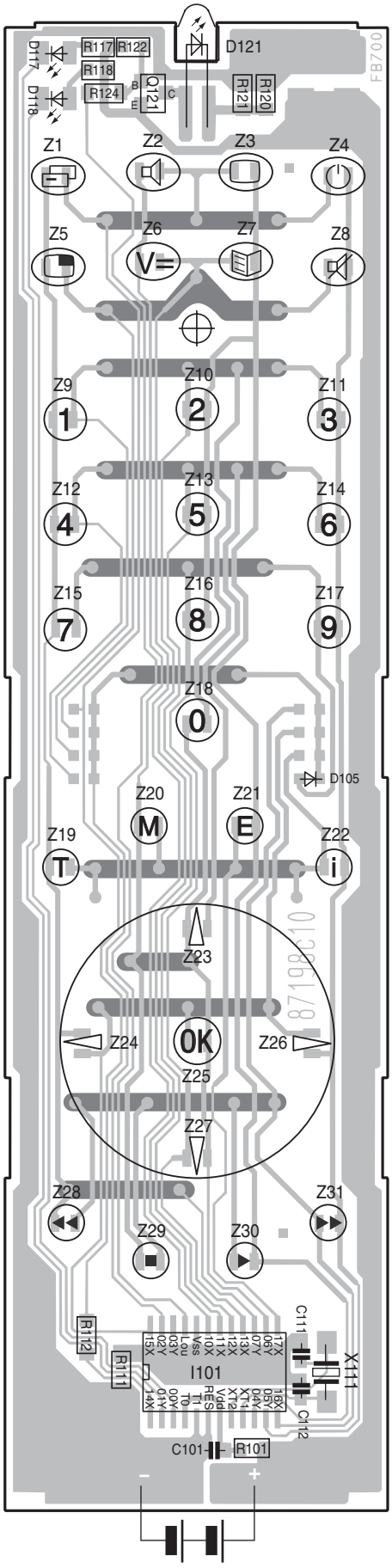
Benennung:
LOEWE.
IR-Fernbedienung
IR remote control
Control 150
Code-Teile-Nr.:
396-87198
Index
C
04.05.99

Infrarot-Fernbedienung ”Control 150” **263-87000.060**
Infrared remote handset ”Control 150”



2 x Micro LR 03
Alkali / Mangan

Ltpl. IR-Fernbedienung 396-87198C
Infrared remote control PCB
Bestückungsseite • Components side

Baugruppenübersicht • Components chart

L 3010

Baugruppen • Components		63402.x23 Mimo 15	63402.x60 Mimo 15	63406.x23 Mimo 20	63406.x60 Mimo 20	63401.x23 Spheros 20	63401.x60 Spheros 20	63448.x23 Xelos 20	63448.x60/70 Xelos 20	Art.-Nr. Art.-N°. Geräte Typ TV set type
Frontend LCD-Display	396-88621.051	●								Geräte Baugruppen Set components
Frontend ASV	396-88622.051	●								
Buchsenplatte • Connector Board	396-88623.051	●								
Frontend LCD-Display	396-88621.052			●		●		●		
Frontend ASV	396-88622.052			●		●		●		
Buchsenplatte • Connector Board	396-88623.052			●		●		●		
Frontend LCD-Display	396-88492.053		●							
Frontend ASV	396-88541.053		●							
Buchsenplatte • Connector Board	396-88542.053		●							
Frontend LCD-Display	396-88492.054				●		●		●	
Frontend ASV	396-88541.054				●		●		●	
Buchsenplatte • Connector Board	396-88542.054				●		●		●	
Tuner-ZF 01 MR	396-88232.062		●		●		●		●	
LCD-Display	345-90418.902	●	●							
Main Unit	396-90417.986	●	●							
Inverter Unit	396-90417.987	●	●							
LCD-Display	345-90416.950			●	●	●	●	●	●	
Main Unit	396-90418.901			●	●	●	●	●	●	
Inverter-A Unit	396-90416.902			●	●	●	●	●	●	
Inverter-B Unit	396-90416.903			●	●	●	●	●	●	
IR-Geber • Remote Control "Control 150 TV"	263-87000.060	●	●	●	●	●	●	●	●	
Bedienteilplatte • Control Board	396-88501.050	●	●	●	●	●	●	●	●	

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	**UNITS**		
U0001	Inverter Unit L3010 15 Zoll	Inverter Unit L3010 15 Zoll	396-90417.987	
U0002	Main Unit L3010 15 Zoll	Main Unit L3010 15 Zoll	396-90417.986T	
U0003	LCD-Display 15 Zoll / LC15B4L	LCD-Display 15 Zoll / LC15B4L	345-90418.902	
115	Netzteiladapter LCD 15	Power Pack	815-88831.001	
120	Frontend LCD Display MIMO 15 kpl.	P.C.B	396-88492.051	A60
120	Frontend LCD Display MIMO 15 kpl.	P.C.B	396-88492.051	K60
120	Frontend LCD Display MIMO 15 SAT kpl.	P.C.B	396-88621.051	A23
120	Frontend LCD Display MIMO 15 SAT kpl.	P.C.B	396-88621.051	K23
300	Bedienteil SPHEROS 20 kpl.	P.C.B	396-88501.050	
	DRUCKSACHEN	**OPERATING INSTRUCTIONS**		
500	BAN -D-I MIMO 15	Operating Instructions	233-31669	A60
500	BAN -D-I MIMO 15	Operating Instructions	233-31669	K60
500	BAN -D-I MIMO15/SPHEROS20/XELOS SL20 SAT	Operating Instructions	233-31715	K23
502	BAN -NL-F MIMO 15	Operating Instructions	233-31669.010	A60
502	BAN -NL-F MIMO 15	Operating Instructions	233-31669.010	K60
502	BAN -NL-F MIMO15/SPHEROS20/XELOS SL20 S	Operating Instructions	233-31715.010	K23
503	BAN -GB-E MIMO 15	Operating Instructions	233-31669.020	A60
503	BAN -GB-E MIMO 15	Operating Instructions	233-31669.020	K60
503	BAN -GB-E MIMO15/SPHEROS20/XELOS SL20 S	Operating Instructions	233-31715.020	K23
570	Garantie- und Service-Card Version A	Indicating Sheet	240-31300	
571	LOEWE Marketing-Card	Indicating Sheet	240-31294	
572	Rückumschlag Marketing-Card	Indicating Sheet	240-31298	
	GERÄTEBEIPACK	**SET SUPPLEMENT**		
499	Adapterstecker für Antennenltg.	Plug	321-25019	A60
499	Adapterstecker für Antennenltg.	Plug	321-25019	K60
A0640	Mikrozelle 1,5V Alkali-Mangan	Accumulator	280-13411	
U9111	IR-Fernbedienung CONTROL 150 TV arktis	Transmitter	263-87000.060	
	VERPACKUNGSMATERIAL	**PACKING MATERIAL**		
600	Schachtel MIMO 15	Packing Case	245-88967.002	
610	Verpackungsformteil MIMO 15	Cushion-Set	252-88965.050	
630	Schutzstreifen 1200x800mm	Protective Packing	253-84666.001	
J0701	Schutzstreifen 350x190mm (IR-G.)	Protective Packing	253-84666.004	
	KNÖPFE	**BUTTONS**		
320	Tastenset silber matt MIMO 15	Button	682-88869.016	
	GEHÄUSETEILE	**CABINET MOUNTING**		
110	Halter Träger/Kippmechanik MIMO 15	Holder	602-88736.001	
111	Schaumstoffdichtung links MIMO 15	Foam Plastics Ledge	411-88944.001	
112	Schaumstoffdichtung rechts MIMO 15	Foam Plastics Ledge	411-88944.101	
113	Zwischenstück	Clutch Piece	503-81237.102	K23
113	Zwischenstück	Clutch Piece	503-81237.102	K60
499	Abdeckkappe	Cap	505-31060	A23
499	Abdeckkappe	Cap	505-31060	K23
G104	Blende platin MIMO 15	Cover Plate	706-88735.009	A23
G104	Blende platin MIMO 15	Cover Plate	706-88735.009	A60
G104	Blende cream MIMO 15	Cover Plate	706-88735.030	K23
G104	Blende cream MIMO 15	Cover Plate	706-88735.030	K60
G105	Tischfuß platin MIMO 15	Stand	484-88823.009	
G110	Rückwand platin MIMO 15	Backcover	775-88737.009	
G112	Abdeckung Rückwand platin MIMO 15	Mask	703-88734.009	
	SPULEN/LAUTSPRECHER	**COILS,SPEAKERS**		
800	Lautsprecher 8 Ohm 3W BB	Loudspeaker	272-88629	
	SPEZIALTEILE	**SPECIAL PARTS**		
G0001	Plastic-Rahmen 15 Zoll	Plastic-Frame 15 Zoll	549-90418.904	
G0002	Lampen-Set kpl. L3010 15 Zoll	Lamp Unit L3010 15 Zoll	383-90417.988	
L0001	Ferritkern	Ferrite Core	522-90422.995	

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	**UNITS**		
U0001	Inverter-A Unit	Inverter-A Unit	396-90416.902	
U0002	Inverter-B Unit	Inverter-B Unit	396-90416903	
U0003	Main Unit L3010 20 Zoll	Main Unit L3010 20 Zoll	396-90418.901T	
U0004	LCD-Display 20 Zoll / A4LC20B2L	LCD-Display 20 Zoll / A4LC20B2L	345-90416.950	
115	Netzteiladapter LCD 20	Power Pack	815-88716.001	
120	Frontend LCD Display 20Z SAT kpl.	P.C.B	396-88621.052	A23
120	Frontend LCD Display 20Z SAT kpl.	P.C.B	396-88621.052	K23
300	Bedienteil LCD 15/20 kpl.	P.C.B	396-88501.050	
U120	Frontend LCD Display SPHE/XEL/MIM 20 kpl.	P.C.B	396-88492.054	A60
U120	Frontend LCD Display SPHE/XEL/MIM 20 kpl.	P.C.B	396-88492.054	K60
	DRUCKSACHEN	**OPERATING INSTRUCTIONS**		
500	BAN -D-I Mimo/Spheros 20/Xelos SL20	Operating Instructions	233-31669.002	A60
500	BAN -D-I Mimo/Spheros 20/Xelos SL20	Operating Instructions	233-31669.002	K60
500	BAN -D-I Mimo15/20/Xelos20/Spheros 20 SAT	Operating Instructions	233-31715.001	A23
500	BAN -D-I Mimo15/20/Xelos20/Spheros 20 SAT	Operating Instructions	233-31715.001	K23
502	BAN -NL-F Mimo/Spheros 20/Xelos SL20	Operating Instructions	233-31669.012	A60
502	BAN -NL-F Mimo/Spheros 20/Xelos SL20	Operating Instructions	233-31669.012	K60
502	BAN -NL-F Mimo15/20/Xelos20/Spheros 20 SA	Operating Instructions	233-31715.011	A23
502	BAN -NL-F Mimo15/20/Xelos20/Spheros 20 SA	Operating Instructions	233-31715.011	K23
503	BAN -GB-E Mimo/Spheros 20/Xelos SL20	Operating Instructions	233-31669.022	A60
503	BAN -GB-E Mimo/Spheros 20/Xelos SL20	Operating Instructions	233-31669.022	K60
503	BAN -GB-E Mimo15/20/Xelos20/Spheros 20 SA	Operating Instructions	233-31715.021	A23
503	BAN -GB-E Mimo15/20/Xelos20/Spheros 20 SA	Operating Instructions	233-31715.021	K23
505	Hinweisblatt Tischfuß Mimo20 Xelos20	Indicating Sheet	240-31779.003	
570	Garantie- und Service-Card Version A	Indicating Sheet	240-31300	
571	LOEWE Marketing-Card	Indicating Sheet	240-31294	
572	Rückumschlag Marketing-Card	Indicating Sheet	240-31298	
	GERÄTEBEIPACK	**SET SUPPLEMENT**		
124	Quick-F-Winkeladapter	Angle	592-31324	A23
124	Quick-F-Winkeladapter	Angle	592-31324	K23
499	Adapterstecker für Antennenltg.	Plug	321-25019	A60
499	Adapterstecker für Antennenltg.	Plug	321-25019	K60
A0640	Mikrozelle 1,5V Alkali-Mangan	Accumulator	280-13411	
U9111	IR-Fernbedienung CONTROL 150 TV arktis	Transmitter	263-87000.060	
	VERPACKUNGSMATERIAL	**PACKING MATERIAL**		
600	Schachtel Mimo 20	Packing Case	245-89068.002	
610	Verpackungsformteil Mimo 20	Cushion-Set	252-89067.050	
630	Schutzstreifen 1200x800mm	Protective Packing	253-84666.001	
J0701	Schutzstreifen 350x190mm (IR-G.)	Protective Packing	253-84666.004	
	KNÖPFE	**BUTTONS**		
320	Knopf kpl. Xelos SL 20 / Mimo 20	Button	682-88496.051	
	GEHÄUSETEILE	**CABINET MOUNTING**		
101	Filzstreifen	Felt Strip	414-25204	
102	Klebestreifen für Rückwand	Foam Plastics Ledge	411-20926	
103	Kabelclip selbstklebend	Cable Binding	530-25566	
106	Zylinderschraube M8x10 DIN 7985 vzkt.	Screw	432-31882	
108	U-Scheibe 8,4x20x1,25 DIN 9022 vzkt.	Washer	444-31883	
109	O-Ring D14x2,5	Rubber Driving Belt	407-31913	
110	Halter Träger/Kippmechanik Mimo 20	Holder	602-88416.121	
112	Zwischenstück	Clutch Piece	503-81237.102	
113	Träger Mimo 20	Supporter	541-89009.101	
114	Klemmbuchse für Abdeckung	Clutch Piece	503-81237.002	
116	EJOT-PT-Schraube KL40x11,5	Screw	440-29047	
499	Abdeckkappe	Cap	505-31060	A23
499	Abdeckkappe	Cap	505-31060	K23
801	EJOT-PT-Schraube KL40x8	Screw	440-31869	

Mimo 20 — 63406.x23-60

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	GEHÄUSETEILE	**CABINET MOUNTING**		
G104	Blende platin Mimo 20	Cover Plate	706-88981.009	A23
G104	Blende platin Mimo 20	Cover Plate	706-88981.009	A60
G104	Blende cream Mimo 20	Cover Plate	706-88981.030	K23
G104	Blende cream Mimo 20	Cover Plate	706-88981.030	K60
G105	Tischfuß platin Mimo 15/Xelos SL 20	Stand	484-88823.009	
G110	Rückwand platin Mimo 20	Backcover	775-88975.009	
G112	Abdeckung Rückwand platin Spheros/Xelos	Mask	703-88406.009	
	SPULEN/Lautsprecher	**COILS,SPEAKERS**		
800	Lautsprecher 8 Ohm 10W 135x65	Loudspeaker	272-89033	
	SPEZIALTEILE	**SPECIAL PARTS**		
01	Plastic-Rahmen 20 Zoll	Plastic-Frame 20 Zoll	549-90418.903	
G0002	Lampen-Set kpl.	Set of Lamps	383-90418.934	
L0001	Ferritkern	Ferrite Core	522-90422.995	

Spheros 20 — 63401.x23-60

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	**UNITS**		
U0001	Inverter-A Unit	Inverter-A Unit	396-90416.902	
U0002	Inverter-B Unit	Inverter-B Unit	396-90416903	
U0003	Main Unit L3010 20 Zoll	Main Unit L3010 20 Zoll	396-90418.901T	
U0004	LCD-Display 20 Zoll / A4LC20B2L	LCD-Display 20 Zoll / A4LC20B2L	345-90416.950	
115	Netzteiladapter LCD 20	Power Pack	815-88716.001	
120	Frontend LCD Display SPHEROS 20 kpl.	P.C.B	396-88492.052	A60
120	Frontend LCD Display SPHEROS/XELOS kpl.	P.C.B	396-88492.052	M60
120	Frontend LCD Display SPHEROS 20 SAT kpl.	P.C.B	396-88621.052	A23
120	Frontend LCD Display SPHEROS 20 SAT kpl.	P.C.B	396-88621.052	M23
300	Bedienteil SPHEROS 20 kpl.	P.C.B	396-88501.050	
	DRUCKSACHEN	**OPERATING INSTRUCTIONS**		
500	BAN -D-I SPHEROS 20	Operating Instructions	233-30925	A60
500	BAN -D-I SPHEROS 20	Operating Instructions	233-30925	M60
500	BAN -D-I SPHEROS 20 SAT	Operating Instructions	233-31094	A23
500	BAN -D-I SPHEROS 20 SAT	Operating Instructions	233-31094	M23
502	BAN NL-F SPHEROS 20	Operating Instructions	233-30925.010	A60
502	BAN NL-F SPHEROS 20	Operating Instructions	233-30925.010	M60
502	BAN -NL-F SPHEROS 20 SAT	Operating Instructions	233-31094.010	A23
502	BAN -NL-F SPHEROS 20 SAT	Operating Instructions	233-31094.010	M23
503	BAN GB-E SPHEROS 20	Operating Instructions	233-30925.020	A60
503	BAN GB-E SPHEROS 20	Operating Instructions	233-30925.020	M60
503	BAN -GB-E SPHEROS 20 SAT	Operating Instructions	233-31094.020	A23
503	BAN -GB-E SPHEROS 20 SAT	Operating Instructions	233-31094.020	M23
504	Folder - MEHR ERLEBEN MIT SYSTEM	Indicating Sheet	240-31197	
505	Hinweisblatt BERICHTIGUNG SPHEROS 20	Indicating Sheet	240-31297	A23
505	Hinweisblatt SOFTWARE SPHEROS 20	Indicating Sheet	240-31670	A60
505	Hinweisblatt SOFTWARE SPHEROS 20	Indicating Sheet	240-31670	M23
505	Hinweisblatt SOFTWARE SPHEROS 20	Indicating Sheet	240-31670	M60
570	Garantie- und Service-Card Version A	Indicating Sheet	240-31300	
571	LOEWE Marketing-Card	Indicating Sheet	240-31294	
572	Rückumschlag Marketing-Card	Indicating Sheet	240-31298	
	GERÄTEBEIPACK	**SET SUPPLEMENT**		
123	Quick-F-Winkeladapter	Angle	592-31324	A23
123	Quick-F-Winkeladapter	Angle	592-31324	M23
499	Adapterstecker für Antennenltg.	Plug	321-25019	A60
499	Adapterstecker für Antennenltg.	Plug	321-25019	M60

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	GERÄTEBEIPACK	**SET SUPPLEMENT**		
A0640	Mikrozelle 1,5V Alkali-Mangan	Accumulator	280-13411	
U9111	IR-Fernbedienung CONTROL 150 TV arktis	Transmitter	263-87000.060	
	VERPACKUNGSMATERIAL	**PACKING MATERIAL**		
600	Schachtel SPHEROS 20	Packing Case	245-88414.002	
610	Verpackungsformteil SPHEROS 20	Cushion-Set	252-88591.050	
630	Schutzstreifen 1200x800mm	Protective Packing	253-84666.001	
J0701	Schutzstreifen 350x190mm (IR-G.)	Protective Packing	253-84666.004	
	KNÖPFE	**BUTTONS**		
320	Knopf kpl. SPHEROS 20	Button	682-88496.050	
	GEHÄUSETEILE	**CABINET MOUNTING**		
101	Filzstreifen	Felt Strip	414-25204	
102	Klebestreifen für Rückwand	Foam Plastics Ledge	411-20926	
103	Kabelclip selbstklebend	Cable Binding	530-25566	
108	Neoprenstanzteil 15x10x6 selbstklebend	Foam Plastics Ledge	411-22286.002	M23
108	Neoprenstanzteil 15x10x6 selbstklebend	Foam Plastics Ledge	411-22286.002	M60
110	Halter SPHEROS 20 SAT	Holder	602-88416.101	
499	Abdeckkappe	Cap	505-31060	A23
499	Abdeckkappe	Cap	505-31060	M23
G105	Tischfuß SPHEROS 20	Stand	484-88409.001	
G110	Rückwand platin SPHEROS 20	Backcover	775-88413.009	A23
G110	Rückwand platin SPHEROS 20	Backcover	775-88413.009	A60
	GEHÄUSETEILE	**CABINET MOUNTING**		
G110	Rückwand basalt-hgl. SPHEROS 20	Backcover	775-88413.015	M23
G110	Rückwand basalt-hgl. SPHEROS 20	Backcover	775-88413.015	M60
G112	Filzstreifen 0,5x5x340mm	Felt Strip	414-28825	
G112	Abdeckung Rückwand platin SPHEROS 20	Mask	703-88406.009	A23
G112	Abdeckung Rückwand platin SPHEROS 20	Mask	703-88406.009	A60
G112	Abdeckung Rückwand basalt-hgl. SPHEROS20	Mask	703-88406.015	M23
G112	Abdeckung Rückwand basalt-hgl. SPHEROS20	Mask	703-88406.015	M60
G120	Frontscheibe SPHEROS 20	Window	666-88415.001	A23
G120	Frontscheibe SPHEROS 20	Window	666-88415.001	A60
G120	Frontscheibe SPHEROS 20 grau	Window	666-88415.002	M23
G120	Frontscheibe SPHEROS 20 grau	Window	666-88415.002	M60
G350	Ziergitter kpl. platin SPHEROS 20	Speaker Grille	708-88417.109	A23
G350	Ziergitter kpl. platin SPHEROS 20	Speaker Grille	708-88417.109	A60
G350	Ziergitter kpl. basalt-matt SPHEROS 20	Speaker Grille	708-88417.115	M23
G350	Ziergitter kpl. basalt-matt SPHEROS 20	Speaker Grille	708-88417.115	M60
	SPULEN/LAUTSPRECHER	**COILS,SPEAKERS**		
800	Lautsprecher 8 Ohm 10W	Loudspeaker	272-84489	
	SPEZIALTEILE	**SPECIAL PARTS**		
G0001	Plastic-Rahmen 20 Zoll	Plastic-Frame 20 Zoll	549-90418.903	
G0002	Lampen-Set kpl.	Set of Lamps	383-90418.934	
L0001	Ferritkern	Ferrite Core	522-90422.995	

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	**UNITS**		
U0001	Inverter-A Unit	Inverter-A Unit	396-90416.902	
U0002	Inverter-B Unit	Inverter-B Unit	396-90416903	
U0003	Main Unit L3010 20 Zoll	Main Unit L3010 20 Zoll	396-90418.901T	
U0004	LCD-Display 20 Zoll / A4LC20B2L	LCD-Display 20 Zoll / A4LC20B2L	345-90416.950	
115	Netzteiladapter LCD 20	Power Pack	815-88716.001	
120	Frontend LCD Display SPHEROS/XELOS kpl.	P.C.B	396-88492.052	A60
120	Frontend LCD Display SPHEROS 20 SAT kpl.	P.C.B	396-88621.052	A23
300	Bedienteil LCD 15/20 kpl.	P.C.B	396-88501.050	
U120	Frontend LCD Display SPHE/XEL/MIM 20 kpl.	P.C.B	396-88492.054	A70
	DRUCKSACHEN	**OPERATING INSTRUCTIONS**		
500	BAN -D-I SPHEROS 20	Operating Instructions	233-30925	A60
500	BAN -D-I MIMO 15/SPHEROS 20/XELOS SL20	Operating Instructions	233-31669.001	A70
500	BAN -D-I MIMO15/SPHEROS20/XELOS SL20 SAT	Operating Instructions	233-31715	A23
502	BAN NL-F SPHEROS 20	Operating Instructions	233-30925.010	A60
502	BAN -NL-F MIMO 15/SPHEROS 20/XELOS SL20	Operating Instructions	233-31669.011	A70
502	BAN -NL-F MIMO15/SPHEROS20/XELOS SL20 S	Operating Instructions	233-31715.010	A23
503	BAN GB-E SPHEROS 20	Operating Instructions	233-30925.020	A60
503	BAN -GB-E MIMO 15/SPHEROS 20/XELOS SL20	Operating Instructions	233-31669.021	A70
503	BAN -GB-E MIMO15/SPHEROS20/XELOS SL20 S	Operating Instructions	233-31715.020	A23
505	Hinweisblatt Tischfuß MIMO 15 / XELOS20	Indicating Sheet	240-31779.001	A23
505	Hinweisblatt Tischfuß MIMO 15 / XELOS20	Indicating Sheet	240-31779.001	A60
506	Hinweisblatt SOFTWARE SPHEROS20/XELOS20	Indicating Sheet	240-31670.001	A70
570	Garantie- und Service-Card Version A	Indicating Sheet	240-31300	
571	LOEWE Marketing-Card	Indicating Sheet	240-31294	
572	Rückumschlag Marketing-Card	Indicating Sheet	240-31298	
	GERÄTEBEIPACK	**SET SUPPLEMENT**		
123	Quick-F-Winkeladapter	Angle	592-31324	A23
499	Adapterstecker für Antennenltg.	Plug	321-25019	A60
499	Adapterstecker für Antennenltg.	Plug	321-25019	A70
A0640	Mikrozelle 1,5V Alkali-Mangan	Accumulator	280-13411	
U9111	IR-Fernbedienung CONTROL 150 TV arktis	Transmitter	263-87000.060	
	VERPACKUNGSMATERIAL	**PACKING MATERIAL**		
600	Schachtel XELOS SL 20	Packing Case	245-88414.003	
610	Verpackungsformteil XELOS SL 20	Cushion-Set	252-88591.051	
630	Schutzstreifen 1200x800mm	Protective Packing	253-84666.001	
J0701	Schutzstreifen 350x190mm (IR-G.)	Protective Packing	253-84666.004	
	KNÖPFE	**BUTTONS**		
320	Knopf kpl. SPHEROS 20 / XELOS SL 20	Button	682-88496.050	
	GEHÄUSETEILE	**CABINET MOUNTING**		
101	Filzstreifen	Felt Strip	414-25204	
102	Klebestreifen für Rückwand	Foam Plastics Ledge	411-20926	
103	Kabelclip selbstklebend	Cable Binding	530-25566	
104	Klettband Haken selbstklebend 325mm	Adhesion Strip	192-88979.002	
110	Halter XELOS SL 20	Holder	602-88416.111	
113	Träger XELOS SL 20	Supporter	541-89009.001	
114	Klemmbuchse für Abdeckung	Clutch Piece	503-81237.002	
499	Abdeckkappe	Cap	505-31060	A23
801	EJOT-PT-Schraube KL40x8	Screw	440-31869	A70
G104	Frontblende XELOS SL 20	Mask	703-89008.009	
G105	Tischfuß platin MIMO 15/XELOS SL 20	Stand	484-88823.009	A23
G105	Tischfuß platin MIMO 15/XELOS SL 20	Stand	484-88823.009	A60
G110	Rückwand platin SPHEROS 20/XELOS SL 20	Backcover	775-88413.009	
G112	Abdeckung Rückwand platin SPHEROS/XELOS	Mask	703-88406.009	
	SPULEN/LAUTSPRECHER	**COILS,SPEAKERS**		
800	Lautsprecher 8 Ohm 10W	Loudspeaker	272-84489	

Xelos 20 — 63448.x23-70

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	SPEZIALTEILE	**SPECIAL PARTS**		
G0001	Plastic-Rahmen 20 Zoll	Plastic-Frame 20 Zoll	549-90418.903	
G0002	Lampen-Set kpl.	Set of Lamps	383-90418.934	
L0001	Ferritkern	Ferrite Core	522-90422.995	

Frontend LCD Display — 88492.053/054

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	**UNITS**		
U1002	Tuner-ZF01 MR kpl.	P.C.B	396-88232.062	054
	INTEGR. SCHALTUNGEN	**INTEGRATED CIRCUITS**		
10	ICMOS M27C4001 FDIP32	Integrated Circuit	349-27344	054
10	LA4635A SIP12H 2-CH-Audio Amp.	Integrated Circuit	349-30742	
I1301	ST92R195 QFP80 28844S	Integrated Circuit	350-28844	
I1311	ICMOS 74 HCT125 SMD	Integrated Circuit	350-15523	
I1371	ICMOS 4,50V 20MA SO08 RESET-IC	Integrated Circuit	350-28570	
I1386	ICMOS M27C4001 L3010T V1.2	Integrated Circuit	349-27344609	054
I1391	ICMOS W24100# SOP-32 70N SRAM	Integrated Circuit	350-30807	
I1396	ICMOS 74V1T00S SOT-23-5L NAND	Integrated Circuit	350-28563	
I1397	ICMOS 24C64 DIP-8 EEPROM 64KB I2C	Integrated Circuit	349-28114	
I1401	TEA5114A	Integrated Circuit	349-15212	
I1414	TEA5114A	Integrated Circuit	349-15212	
I1501	ICMOS MSP3451 QFP80 Audio	Integrated Circuit	350-29235	
I1561	MC33078 SO8	Integrated Circuit	350-28702	
I1571	LA4635A SIP12H 2-CH-Audio Amp.	Integrated Circuit	349-30742.Y22	054
I1601	Volt. Regulator TO252 10V OA5	Integrated Circuit	350-29007	
I1681	Volt. Regulator TO252 5V OA5	Integrated Circuit	350-29006	
	BUCHSEN/FASSUNGEN	**SOCKETS**		
H1386	IC-Fassung 32-pol.	Socket	320-22087	
H1397	IC-Fassung 8-pol.	Socket	320-80503	
W1264	Cinchbuchsenleiste 3-fach gelb/weiß/rot	Socket	323-30840	
	BUCHSEN/FASSUNGEN	**SOCKETS**		
W1272	Kopfhörerbuchse 3,5mm horiz.	Socket	323-24591	
W1274	Mini-DIN-Buchse 4-pol.	Socket	323-18108	
W1451	SCART-Buchse SPHEROS 20	Socket	323-30778	
W1656	Cinchbuchsenleiste 2-fach rot/weiß	Socket	323-30835	
W1681	Einbaubuchse 10-pol. quadrat.	Socket	323-28932	
	QUARZE/Filter	**QUARTZES**		
X1303	Quarz 4,000000 MHz HC49U	Crystal Oscillator	385-17297	054
X1506	Quarz 18,432000 MHz HC49U	Crystal Oscillator	385-25502	
	SICHERUNGEN	**FUSES**		
F1577	1250mA T 250V 8x8	Fuse	380-17123.020	
F1681	315mA T 250V 8x8	Fuse	380-10558.020	
F1686	1600mA T 250V 8x8	Fuse	380-16913.020	
	SMD TEILE	**SMD PARTS**		
D1267	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1272	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1274	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1332	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1364	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1397	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1427	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1451	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1453	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1454	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	SMD TEILE	**SMD PARTS**		
D1458	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1459	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1471	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1472	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1576	BAS316 SOD323	Diode	351-27952	
D1577	DIOZD 6V2 J 0W5 SOD-80 ZMM6.2	Diode	351-17534	
D1578	BAS316 SOD323	Diode	351-27952	
D1646	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1653	BAS316 SOD323	Diode	351-27952	
D1666	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1673	BAS316 SOD323	Diode	351-27952	
D1701	BAS316 SOD323	Diode	351-27952	054
D1702	BAS316 SOD323	Diode	351-27952	054
D1703	BAS316 SOD323	Diode	351-27952	054
D1704	BAS316 SOD323	Diode	351-27952	054
D1706	BAS316 SOD323	Diode	351-27952	054
D1707	BAS316 SOD323	Diode	351-27952	054
D1708	BAS316 SOD323	Diode	351-27952	
D1709	BAS316 SOD323	Diode	351-27952	
D1711	BAS316 SOD323	Diode	351-27952	
D1712	BAS316 SOD323	Diode	351-27952	
D1741	BAS316 SOD323	Diode	351-27952	054
D1742	BAS316 SOD323	Diode	351-27952	054
D1743	BAS316 SOD323	Diode	351-27952	054
D1744	BAS316 SOD323	Diode	351-27952	054
D1746	BAS316 SOD323	Diode	351-27952	054
D1747	BAS316 SOD323	Diode	351-27952	054
D1748	BAS316 SOD323	Diode	351-27952	
D1749	BAS316 SOD323	Diode	351-27952	
D1751	BAS316 SOD323	Diode	351-27952	
D1752	BAS316 SOD323	Diode	351-27952	
Q1323	DIGITAL SOT323 NPN 50V 70mA 47K+	Transistor	344-27270	
Q1326	DIGITAL SOT323 NPN 50V 70mA 47K+	Transistor	344-27270	
Q1332	BC847BW SOT323	Transistor	344-27272	
Q1354	BC847BW SOT323	Transistor	344-27272	
Q1362	BC847BW SOT323	Transistor	344-27272	
Q1364	BC847BW SOT323	Transistor	344-27272	
Q1423	BC847BW SOT323	Transistor	344-27272	
Q1426	BF 840 SMD	Transistor	344-28018	
Q1427	BF550 SOT23	Transistor	344-23563	
Q1432	BC847BW SOT323	Transistor	344-27272	
Q1462	BC857BW SOT323	Transistor	344-28404	
Q1463	BC847B SOT23	Transistor	344-14974	
Q1466	BC857B SOT23	Transistor	344-14979	
Q1471	BC847BW SOT323	Transistor	344-27272	
Q1472	BC847BW SOT323	Transistor	344-27272	
Q1531	BFR93AW SOT323 +	Transistor	344-29926	054
Q1566	BC847BW SOT323	Transistor	344-27272	
Q1567	BC847BW SOT323	Transistor	344-27272	
Q1576	BC847BW SOT323	Transistor	344-27272	
Q1602	BC857BW SOT323	Transistor	344-28404	
Q1606	BC847BW SOT323	Transistor	344-27272	
Q1609	BC857BW SOT323	Transistor	344-28404	
Q1613	BC847BW SOT323	Transistor	344-27272	
Q1614	BC857BW SOT323	Transistor	344-28404	

Frontend LCD Display — 88492.053/054

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	SMD TEILE	**SMD PARTS**		
Q1622	BC857BW SOT323	Transistor	344-28404	
Q1626	BC847BW SOT323	Transistor	344-27272	
Q1629	BC857BW SOT323	Transistor	344-28404	
Q1633	BC847BW SOT323	Transistor	344-27272	
Q1639	BC847B SOT23	Transistor	344-14974	
Q1642	BC857BW SOT323	Transistor	344-28404	
Q1646	BC847BW SOT323	Transistor	344-27272	
Q1652	BC847BW SOT323	Transistor	344-27272	
Q1653	BC857BW SOT323	Transistor	344-28404	054
Q1662	BC857BW SOT323	Transistor	344-28404	
Q1666	BC847BW SOT323	Transistor	344-27272	
Q1672	BC847BW SOT323	Transistor	344-27272	
Q1678	BC847BW SOT323	Transistor	344-27272	
Q1681	BCX69-25	Transistor	344-24714	
Q1686	BC847BW SOT323	Transistor	344-27272	
Q1702	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	054
Q1704	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	054
Q1706	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	054
Q1708	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	
Q1711	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	

Frontend ASV Spheros 20 SAT — Art.-Nr. 88621.051/052

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	BAUGRUPPEN	**UNITS**		
U1801	SAT-Tuner SF1238/SH	Tuner	260-31033	
	INTEGR. SCHALTUNGEN	**INTEGRATED CIRCUITS**		
10	LA4635A SIP12H 2-CH-AUDIO AMP.	Integrated Circuit	349-30742	
I1301	ST92R195 QFP80 28844S	Integrated Circuit	350-28844	
I1311	ICMOS 74 HCT125 SMD	Integrated Circuit	350-15523	
I1371	ICMOS 4,50V 20mA SO08 RESET-IC	Integrated Circuit	350-28570	
I1386	ICMOS M27C4001 FDIP32	Integrated Circuit	349-27344	
I1391	ICMOS W24100# SOP-32 70N SRAM	Integrated Circuit	350-30807	
I1396	ICMOS 74V1T00S SOT-23-5L NAND	Integrated Circuit	350-28563	
I1397	ICMOS 24C64 DIP-8 EEPROM 64KB I2C	Integrated Circuit	349-28114	
I1401	TEA5114A	Integrated Circuit	349-15212	
I1414	TEA5114A	Integrated Circuit	349-15212	
I1501	ICMOS MSP3451 QFP80 AUDIO	Integrated Circuit	350-29235	
I1561	MC33078 SO8	Integrated Circuit	350-28702	
I1571	LA4635A SIP12H 2-CH-AUDIO AMP.	Integrated Circuit	349-30742.Y20	
I1601	Volt. Regulator TO252 10V OA5	Integrated Circuit	350-29007	
I1681	Volt. Regulator TO252 5V OA5	Integrated Circuit	350-29006	
I1807	IC-VR LNBP21PD PSO-20	Integrated Circuit	350-30918	
I1821	TDA6151 SO20	Integrated Circuit	350-23124	
I1891	LM 2903D SO08	Integrated Circuit	350-21674	
	BUCHSEN/FASSUNGEN	**SOCKETS**		
H1386	IC-Fassung 32-pol.	Socket	320-22087	
H1397	IC-Fassung 8-pol.	Socket	320-80503	
W1264	Cinchbuchsenleiste 3-fach gelb/weiß/rot	Socket	323-30840	
W1272	Kopfhörerbuchse 3,5mm horiz.	Socket	323-24591	
W1274	Mini-DIN-Buchse 4-pol.	Socket	323-18108	
W1451	SCART-Buchse SPHEROS 20	Socket	323-30778	
W1656	Cinchbuchsenleiste 2-fach rot/weiß	Socket	323-30835	
W1681	Einbaubuchse 10-pol. quadrat.	Socket	323-28932	

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	QUARZE/FILTER	**QUARTZES**		
10	Quarz 4,000000 MHz HC49U	Crystal Oscillator	385-17297	
X1303	Quarz 4,000000 MHz HC49U	Crystal Oscillator	385-17297.Y06	
X1506	Quarz 18,432000 MHz HC49U	Crystal Oscillator	385-25502	
	SICHERUNGEN	**FUSES**		
F1577	1250mA T 250V 8x8	Fuse	380-17123.020	
F1681	315MA T 250V 8x8	Fuse	380-10558.020	
F1686	1600mA T 250V 8x8	Fuse	380-16913.020	
F1873	1250mA T 250V 8x8	Fuse	380-17123.020	
	WIDERSTÄNDE	**RESISTORS**		
10	0R1 K 0W25 0207 WIDSI	Resistor	366-10905	
R1805	1R J 0207	Resistor	367-24709.020	
R1806	0R1 K 0207 WIDSI	Resistor	366-10905.Y09	
	SMD TEILE	**SMD PARTS**		
D1267	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1272	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1274	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1332	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1364	BAS316 SOD323	Diode	351-27952	
D1397	DIOZD 5V6 G 0W5 SOD-80 ZMM5.6	Diode	351-22580	
D1427	DIOZD 5V6 G 0W5 SOD-80 ZMM5.6	Diode	351-22580	
D1451	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1453	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1454	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1458	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1459	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1471	DIOZD 5V6 G 0W5 SOD-80 ZMM5.6	Diode	351-22580	
D1472	DIOZD 5V6 G 0W5 SOD-80 ZMM5.6	Diode	351-22580	
D1576	BAS316 SOD323	Diode	351-27952	
D1577	DIOZD 6V2 J 0W5 SOD-80 ZMM6.2	Diode	351-17534	
D1578	BAS316 SOD323	Diode	351-27952	
D1646	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1653	BAS316 SOD323	Diode	351-27952	
D1666	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1673	BAS316 SOD323	Diode	351-27952	
D1701	BAS316 SOD323	Diode	351-27952	052
D1702	BAS316 SOD323	Diode	351-27952	052
D1703	BAS316 SOD323	Diode	351-27952	052
D1704	BAS316 SOD323	Diode	351-27952	052
D1706	BAS316 SOD323	Diode	351-27952	052
D1707	BAS316 SOD323	Diode	351-27952	052
D1708	BAS316 SOD323	Diode	351-27952	
D1709	BAS316 SOD323	Diode	351-27952	
D1711	BAS316 SOD323	Diode	351-27952	
D1712	BAS316 SOD323	Diode	351-27952	
D1741	BAS316 SOD323	Diode	351-27952	052
D1742	BAS316 SOD323	Diode	351-27952	052
D1743	BAS316 SOD323	Diode	351-27952	052
D1744	BAS316 SOD323	Diode	351-27952	052
D1746	BAS316 SOD323	Diode	351-27952	052
D1747	BAS316 SOD323	Diode	351-27952	052
D1748	BAS316 SOD323	Diode	351-27952	
D1749	BAS316 SOD323	Diode	351-27952	
D1751	BAS316 SOD323	Diode	351-27952	
D1752	BAS316 SOD323	Diode	351-27952	
D1801	TMMBAT43 MINIMELF Schottky	Diode	351-30919	
D1802	3,0A 40V SOD6 Schottky	Diode	351-28529	

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	SMD TEILE	**SMD PARTS**		
D1803	1,0A 600V	Diode	351-20547	
D1896	DIOZD 5V6 G 0W5 SOD-80 ZMM5.6	Diode	351-22580	
I1809	STS4DNFS30L SO8 MOSFET	Transistor	344-30920	
Q1323	BC847BW SOT323	Transistor	344-27272	
Q1326	BC847BW SOT323	Transistor	344-27272	
Q1332	BC847BW SOT323	Transistor	344-27272	
Q1354	BC847BW SOT323	Transistor	344-27272	
Q1362	BC847BW SOT323	Transistor	344-27272	
Q1364	BC847BW SOT323	Transistor	344-27272	
Q1426	BF 840 SMD	Transistor	344-28018	
Q1427	BF550 SOT23	Transistor	344-23563	
Q1432	BC847BW SOT323	Transistor	344-27272	
Q1462	BC857BW SOT323	Transistor	344-28404	
Q1463	BC847B SOT23	Transistor	344-14974	
Q1466	BC857B SOT23	Transistor	344-14979	
Q1471	BC847BW SOT323	Transistor	344-27272	
Q1472	BC847BW SOT323	Transistor	344-27272	
Q1566	BC847BW SOT323	Transistor	344-27272	
Q1567	BC847BW SOT323	Transistor	344-27272	
Q1576	BC847BW SOT323	Transistor	344-27272	
Q1602	BC857BW SOT323	Transistor	344-28404	
Q1606	BC847BW SOT323	Transistor	344-27272	
Q1609	BC857BW SOT323	Transistor	344-28404	
Q1613	BC847BW SOT323	Transistor	344-27272	
Q1614	BC857BW SOT323	Transistor	344-28404	
Q1622	BC857BW SOT323	Transistor	344-28404	
Q1626	BC847BW SOT323	Transistor	344-27272	
Q1629	BC857BW SOT323	Transistor	344-28404	
Q1633	BC847BW SOT323	Transistor	344-27272	
Q1639	BC847B SOT23	Transistor	344-14974	
Q1642	BC857BW SOT323	Transistor	344-28404	
Q1646	BC847BW SOT323	Transistor	344-27272	
Q1652	BC847BW SOT323	Transistor	344-27272	
Q1653	BC857BW SOT323	Transistor	344-28404	
Q1662	BC857BW SOT323	Transistor	344-28404	
Q1666	BC847BW SOT323	Transistor	344-27272	
Q1672	BC847BW SOT323	Transistor	344-27272	
Q1678	BC847BW SOT323	Transistor	344-27272	
Q1681	BCX69-25	Transistor	344-24714	
Q1686	BC847BW SOT323	Transistor	344-27272	
Q1702	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	052
Q1704	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	052
Q1706	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	052
Q1708	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	
Q1711	UPA606T SC-59 2-N-CH MOSFET	Transistor	344-29939	
Q1822	BC847BW SOT323	Transistor	344-27272	
Q1827	BC847BW SOT323	Transistor	344-27272	
Q1831	BC857BW SOT323	Transistor	344-28404	
Q1833	BC847BW SOT323	Transistor	344-27272	
Q1837	BC857BW SOT323	Transistor	344-28404	
Q1846	BC857BW SOT323	Transistor	344-28404	
Q1852	BC847B SOT23	Transistor	344-14974	
Q1873	BC857B SOT23	Transistor	344-14979	
Q1874	BC847BW SOT323	Transistor	344-27272	
Q1882	BC857BW SOT323	Transistor	344-28404	
Q1888	BC847BW SOT323	Transistor	344-27272	

IR-Fernbedienung • IR remote control — Art.-Nr. 87000.060

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	GEBER-ERSATZTEILE	**SPARE PARTS FOR TRANSMITTER**		
20	Batteriefeder	Spring	739-87217001	060
20	Gehäuse-Oberteil Arktis	Cover	756-87265001	060
25	Lichtleiter	Window	666-87274001	060
30	Kontaktmatte Control 150	Spring Contact	309-87267001	060
70	Gehäuse-Unterteil Arktis	Cover	756-87264001	060
80	Batteriefeder 2-fach	Sring	739-85279001	060
90	Batteriedeckl Arktis	Cover	756-87215001	060
D105	Diode BAS216 SOD110	Diode	351-27279	060
D117	LED LG T679 SMD	Coupler	353-27021	060
D118	LED LG T679 SMD	Coupler	353-27021	060
D121	Diode LED F.D.SFH 4515	Coupler	353-27024	060
I101	ICMOS PCA84C122AT-231	Integrated Circiut	350-27787	060
Q121	Transistor BCX17 SOT23	Transistor	344-25509	060
X111	Piezo Filter 4,30 MHZ MELF 2,8x7	Ceramic Filter	386-27022	060

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Änderungen vorbehalten
Subject to modification
Modification réserves
Con riserva di modifiche
Reservado el derecho a introducir modificaciones
Wijzigingen voorbehouden

nur/only Variante 052

backlight err. Erkennung

Ändern bei TQ

W612 nicht bestückt

W611 nicht bestückt

U801 TU SAT

I821 TDA6101

L826 H316LTOS-A010

I891 LM2903D

I807 LM871

I801 L78M10ACDT

I891 LM2903D

I807 LM871

I801 L78M10ACDT

I821 TDA6101

L826 H316LTOS-A010

I373 TS81142ET

I301 ST92R195

I391 M24C08

I396 M27C4001

I396 74VHT00S

I311-B 74HCT125

I311-C 74HCT125

I311-D 74HCT125

I311-A 74HCT125

I311-E 74HCT125

I414 TEA5114A

I401 TEA5114A

I397 24C64

I501 MSP3451

I571 LA4635A

I561 MC33078

I561 MC33078

I561 MC33078

I681 L78M05ACDT

W701 PH-back

P3502

P3601

W708 PH

W586 JST gn s

W588 JST or s

W683 PH

W682 PH

W681 M-Din 10pol.

W684 1pol.+ YH

W656 Chinch 2-fach

W686 3H

P1903 MB

W761 JST gn s

W261 JST ro s

W264 Chinch 3-fach

W772 KL3,5

W771 JST ws s

W271 JST ws s

W274 M-Din 4pol.

SITE-PANEL

W311 Folie 20pol.

W333 JST rt s

W334 JST ws s

W601 50pol.

Audio_out R

Audio_out L

Benennung: LOEWE.

Frontend-LCD-SAT

391-88622 Frontend

391-88623 Buchsenplatte

Code-Teile-Nr.: 391-88621

Index: C

Variante: 051 / 052

erst.: Datum: 23.01.2004

gepr.: Datum:

* nur/only Variante 054

backlight err. Erkennung

Ändern bei TQ

W612 nicht bestückt

W611 nicht bestückt

W701 PM 6pol

W708 PM

W586 JST 3P.h

W588 JST 4P.h

W683* PM nur/only Variante 054

W682 PM

W681 M-Din 10pol.

W684 1pol.s XH

W656 Chinch 2-fach

W686 8pol.

W761 JST 6P.h

W261 JST 6P.h

W264 Chinch 3-fach

W272 KL3.5

W771 JST 4P.h

W271 JST 4P.h

W274 M-Din 4pol.

SITE-PANEL

W451 Scart sw f

W311 Folie 20pol.

W333 JST 4P.h

W334 JST 6P.h

U691 (W691) 6pol. Fvalue8

U691 (W692) 5pol. Fvalue8

W601 50pol.

I301 ST92R195

I371 TS831-4IDT

I396 74V1T005

I391 M24C64

I386 M27C4001

I414 TEA5114A

I401 TEA5114A

I501 MSP3451

I571 LA4635A

I561 MC33078

I397 24C64

I601 L78M10ACDT

I683 L78M05ACDT

Benennung: LOEWE.

Frontend-LCD-ASV

391-88541 Frontend

391-88542 Buchsenplatte

Code-Teile-Nr.: 391-88492 Index: H

Variante: 53 / 54

erst.: Datum: 02.02.2004

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